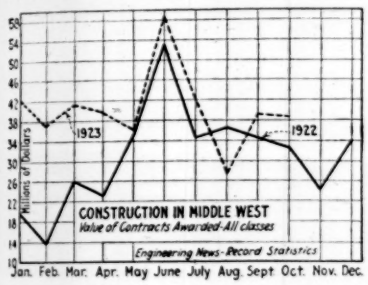
CONSTRUCTION NEWS

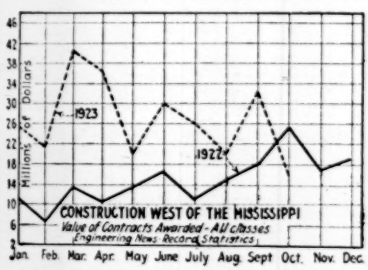
Engineering News-Record, November 15, 1923

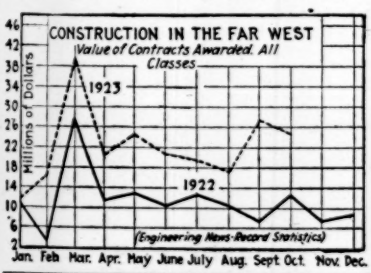
The Construction Barometer

Gain in October Permits—Industrial and Residential Building Active—Other Classes Drop

CONTRACTS awarded on large engineering construction projects in the United States, during October, showed a drop of about 5 per cent in total money value, from the month preceding. This gain, however, was confined almost entirely to water-works, industrial building and Federal Government construction. Residential building gained heavily during the month, particularly in the Middle Atlantic states. This group was also the only one showing a gain in large engineering projects, as shown by the charts, the increase being due to four industrial jobs amounting to $32,000,000. October building permits gained more than 25 per cent over the month preceding. With ample building materials reserves and from 25 to 50 per cent of the building trades mechanics unemployed between December and February, an active Winter building program is being contemplated.


CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded-All classes
Engineering News-Record Statistics
1923
1922
Millions of Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded-All classes
Engineering News-Record Statistics
1923
1922
Millions of Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded. All Classes
1923
1922
Millions of Dollars
(Engineering News-Record Statistics)
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

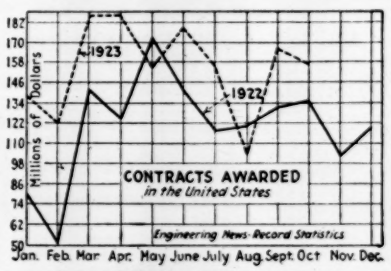
Week Ended	Public Work	Private Work	Total Contracts
Oct. 25	$8,452,000	$16,583,000	$25,035,000
Nov. 1	16,746,000	14,321,000	31,067,000
Nov. 8	9,434,000	17,689,000	27,123,000
3 weeks	$34,632,000	$48,593,000	$83,225,000

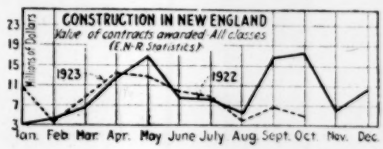
LARGE BUILDING CONTRACTS—NUMBER AND VALUE

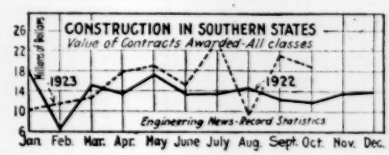
Week Ended	Public No.	Public Work	Private No.	Private Work
Oct. 25	6	$1,721,000	24	$9,184,000
Nov. 1	7	2,537,000	33	10,743,000
Nov. 8	12	3,833,000	27	12,150,000
3 weeks	25	$8,091,000	84	$32,077,000

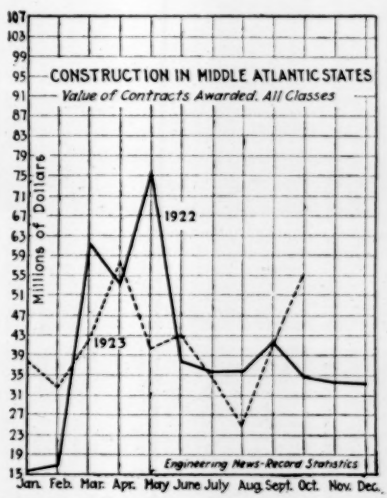
BASIC PRICES UNCHANGED IN TWO WEEKS—LUMBER MARKET SOFTER

	Quoted on Nov. 15, Price at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.50	@2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	61.00	62.00	Nov. 1
Fir, San Fran., M.ft.	41.00	42.00	Sept. 27
Common labor, hr.	0.54	0.53	June 28




CONSTRUCTION IN NEW ENGLAND
Value of contracts awarded All classes
(E.N-R Statistics)
1923
1922
Millions of Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded-All classes
Engineering News-Record Statistics
1923
1922
Millions of Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


CONSTRUCTION IN MIDDLE ATLANTIC STATES
Value of Contracts Awarded. All Classes
1923
1922
Millions of Dollars
Engineering News-Record Statistics
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 16	New York, N. Y.	Nov. 8
Nov. 19	Grand Island, N. Y.	Nov. 15
Nov. 20	Durham, Calif.	Nov. 15
Nov. 20	St. Paul, Minn.	Nov. 15
Nov. 21	Waterville, Wis.	Nov. 15
Nov. 23	Brooklyn, N. Y.	Nov. 15
Nov. 23	New York, N. Y.	Nov. 15
Dec. 5	Webb, N. Y.	Nov. 8
	Adv. Nov. 8 and 15.	
Dec. 12	Keyser, W. Va.	Nov. 8
	Adv. Nov. 8 and 15.	
Dec. 14	Seattle, Wash.	Nov. 15
	Adv. Nov. 15.	
Dec. 23	New Holstein, Wis.	Oct. 11

SEWERS

Bids Close		See Eng. News-Record
Nov. 19	Mamaroneck, N. Y.	Nov. 8
	Adv. Nov. 8 and 15.	
Nov. 20	Ponchatoula, La.	Oct. 25
Nov. 20	Bartlesville, Ark.	Nov. 1
Nov. 22	Chicago, Ill.	Nov. 8
Nov. 26	Providence, R. I.	Nov. 15
	Adv. Nov. 15.	
Dec. 5	Holland, Mich.	Nov. 15
	Adv. Nov. 15.	
Dec. 10	New Orleans, La.	Oct. 11
	Adv. Oct. 11 to Nov. 15.	
Dec. 23	New Holstein, Wis.	Oct. 11

BRIDGES

Bids Close		See Eng. News-Record
Nov. 19	St. Paul, Minn.	Nov. 8
Nov. 19	Clearwater, Fla.	Nov. 15
Nov. 20	Beaumont, Tex.	Nov. 8
Nov. 20	Jefferson, Ia.	Nov. 15
Nov. 20	South Dakota	Nov. 15
Nov. 22	Prairie Siding, Ont.	Nov. 1
Nov. 22	Illinois	Nov. 15
Nov. 24	Canadian Tex.	Nov. 15
Nov. 26	Alabama	Oct. 25
Nov. 27	New Jersey	Nov. 1
	Adv. Nov. 1 to 15.	
Nov. 27	New Jersey	Nov. 8
	Adv. Nov. 8 and 15.	
Nov. 27	Florida	Nov. 15
	Adv. Nov. 15.	
Nov. 27	Williamson, W. Va.	Nov. 15
	Adv. Nov. 8 and 15.	
Nov. 30	Sydney, Australia	Apr. 19
Nov. 30	Greenville, Miss.	Nov. 15
	Adv. Nov. 15.	
Dec. 5	Salem, Mass.	Nov. 8
	Adv. Nov. 1 to 15.	
Dec. 5	Freehold, N. J.	Nov. 15
	Adv. Nov. 15.	
May 1	Tientsen, North China	Oct. 11

DAMS

Bids Close		See Eng. News-Record
Nov. 27	Frederick, Md.	Nov. 15
	Adv. Nov. 8 and 15.	

Bids Close		See Eng. News-Record
RAILWAYS		
Nov. 22	Michigan	Nov. 8
Mar. 18	New Zealand	Sept. 20
EXCAVATION, DRAINAGE IRRIGATION		
Nov. 19	Carroll, Ia.	Nov. 15
Nov. 24	Blythe, Calif.	Nov. 15
Nov. 26	Jonesboro, Ark.	Nov. 8
STREETS AND ROADS		
Nov. 16	New York Adv. Nov. 1 to 15.	Nov. 1
Nov. 16	St. George, N. Y.	Nov. 8
Nov. 16	New York, N. Y.	Nov. 8
Nov. 17	Tonawanda, N. Y.	Nov. 1
Nov. 19	Waco, Tex.	Nov. 1
Nov. 19	San Jose, Calif.	Nov. 8
Nov. 19	Tavares, Fla.	Nov. 15
Nov. 19	Clearwater, Fla.	Nov. 19
Nov. 20	Massachusetts	Nov. 8
Nov. 20	Michigan	Nov. 15
Nov. 20	Walhalla, S. C.	Nov. 15
Nov. 20	Jefferson, Ia.	Nov. 15
Nov. 21	Brooklyn, N. Y.	Nov. 15
Nov. 22	Virginia	Nov. 8
Nov. 22	Jasper, Tex.	Nov. 8
Nov. 22	Illinois	Nov. 15
Nov. 23	Independence, Kan.	Nov. 8
Nov. 23	La Grange, Tex.	Nov. 8
Nov. 26	Alexandria, Ky.	Nov. 8
Nov. 26	Alabama	Nov. 1
Nov. 26	Seattle, Wash.	Nov. 15
Nov. 26	California	Nov. 15
Nov. 27	New Jersey Adv. Nov. 8 and 15.	Nov. 8
Noy. 27	Vernon, Tex.	Nov. 15
Nov. 27	North Carolina Adv. Nov. 15	Nov. 15
Nov. 27	Louisiana	Nov. 15
Nov. 27	Florida	Nov. 15
Dec. 3	Jacksonville, Fla. Adv. Nov. 15.	Nov. 15
Dec. 4	Rushville, Ind.	Nov. 15
Dec. 4	Logansport, Ind.	Nov. 15
Dec. 5	Raleigh, N. C. Adv. Nov. 15.	Nov. 15
INDUSTRIAL WORK		
Nov. 20	Baltimore, Md.	Nov. 15
Dec. 11	Tampa, Fla. Adv. Nov. 15.	Nov. 15
BUILDINGS		
Nov. 18	Roxbury (Boston P. O.), Mass.	Nov. 8
Nov. 20	Hartford, Conn.	Nov. 1
Nov. 20	Dayton, O.	Nov. 8
Nov. 20	Virginia, Minn.	Nov. 8
Nov. 20	Grosse Pointe (Detroit P. O.), Mich.	Nov. 15
Nov. 21	New Haven, Conn.	Nov. 8
Nov. 23	Sedalia, Mo.	Nov. 1
Nov. 24	Lakewood (Cleveland P. O.), O.	Nov. 8
Nov. 26	Galveston, Tex.	Nov. 1
Nov. 26	Huntington, W. Va.	Nov. 8
Nov. 26	Tucson, Ariz.	Nov. 8
Nov. 26	New York, N. Y.	Nov. 15
Nov. 26	Brooklyn, N. Y.	Nov. 15
Nov. 28	Middletown, N. Y.	Nov. 1
Nov. 28	Newark, Del. Adv. Nov. 8 and 15.	Nov. 8
Nov. 30	Maggie, W. Va.	Oct. 4
Nov. 30	Louisville, Ky.	Nov. 15
Dec. 1	Charleston, W. Va.	Oct. 25
Dec. 4	Brooklyn, N. Y. Adv. Nov. 8 and 15.	Nov. 8
Dec. 4	Louisville, Ky.	Nov. 8
Dec. 4	Greensboro, N. C.	Nov. 15
Dec. 5	St. Louis, Mo.	Nov. 15
Dec. 10	Indianapolis, Ind.	Nov. 15
Dec. 11	Tacoma, Wash.	Nov. 15
Dec. 12	Grand Rapids, Mich.	Nov. 15
Dec. 15	Wichita, Kan.	Nov. 15
Dec. 18	Ironwood, Mich.	Nov. 15
Dec. 20	Sioux City, Ia.	Nov. 15
Dec. 21	Charleston, W. Va. Adv. Nov. 15.	Nov. 15
Dec. 28	Morgantown, W. Va. Adv. Nov. 8 and 15.	Nov. 15
Jan. 2	Bloomington, Ind.	Nov. 15
FEDERAL GOVERNMENT WORK		
Nov. 20	Post Office—Central City, Neb.	Oct. 18
Nov. 20	Barges—Chicago, Ill. Adv. Oct. 25 to Nov. 15.	Oct. 25
Nov. 21	Sewer—American Falls, Idaho	Oct. 25
Nov. 21	Post Office—Steubenville, O.	Oct. 25
Nov. 21	Dredging—Puget Sound, Wash.	Nov. 1
Nov. 21	Repairs to Seawall—Hingham, Mass.	Nov. 15
Nov. 23	Barges—Louisville, Ky. Adv. Oct. 25 to Nov. 15.	Oct. 25
Nov. 23	Post Office—Ripon, Wis.	Nov. 1
Nov. 23	Quarterboat—Huntington, W. Va.	Nov. 8
Nov. 24	Dredging—New York, N. Y. Adv. Oct. 25 to Nov. 15.	Oct. 25
Nov. 26	Post Office—Mystic, Conn.	Nov. 1
Nov. 27	Barge—New Orleans, La. Adv. Nov. 1 to 15.	Nov. 1
Nov. 27	Water Supply System—American Falls, Idaho	Nov. 1
Nov. 27	Post Office—Gallipolis, O.	Nov. 1
Nov. 28	Quarters—San Juan, Porto Rico	Nov. 8
Nov. 28	Catamarans—Jacksonville, Fla. Adv. Nov. 8 and 15.	Nov. 8
Nov. 30	Dam—Quebradillas, P. R.	Sept. 27
Nov. 30	Dredging, etc.—New York, N. Y. Adv. Nov. 1 to 15.	Nov. 1
Nov. 30	Post Office—Harrisonville, Mo. Adv. Nov. 8 and 15.	Nov. 8
Dec. 1	Steel Barges—Mobile, Ala. Adv. Nov. 8 and 15.	Oct. 25
Dec. 2	Fuel Oil Storage—Mare Island, Calif.	Nov. 15
Dec. 3	Barge and Hull—New Orleans, La.	Nov. 8
Dec. 4	Dredging—Phila., Pa.	Nov. 15
Dec. 5	Post Office — Marianna, Ark. Adv. Nov. 8 and 15.	Nov. 8
Dec. 10	Towboat—Montgomery, Ala. Adv. Nov. 1 to 15.	Nov. 8
Dec. 10	Maneuver Boat, etc.—Huntington, W. Va. Adv. Nov. 15.	Nov. 15
Dec. 10	Remodeling — Allentown, Pa. Adv. Nov. 15.	Nov.15
Dec. 14	Dredging, etc.—New York, N. Y Adv. Nov. 15.	Nov. 15
Jan. 30	Ward—Great Lakes, Ill.	Nov. 15
UNCLASSIFIED		
Nov. 20	Sluice Gates—Exchequer, Calif.	Nov. 8
Nov. 21	Heating, Ventilating, Plumbing, etc.—Phila., Pa. Adv. Nov. 8 and 15.	Nov. 8
Nov. 26	Portland Cement—Los Angeles, Calif.	Oct. 18
Dec. 4	Dragline Machines—Greenville, Miss. Adv. Nov. 1 to 15.	Nov. 1
Jan. 2	Memorial—Bloomington, Ind.	Nov. 15
Jan. 3	Aluminum Steel Cored Cable, etc.—Melbourne, Australia Adv. Nov. 1 and 15.	Nov. 1
Jan. 19	Transformers, etc.—Melbourne, Australia	Oct. 18
Feb. 28	Headworks — Wellington, New Zealand	May 24
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1
MATERIAL AND EQUIPMENT		
Nov. 17	Road Roller and Scarifier — Logansport, Ind.	Nov. 15
Nov. 21	Limestone, etc.—Brooklyn, N. Y.	Nov. 15

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Hartford—Bd. Water Comrs. plans to lay mains in Burr, Cleveland, Hartland, Maple, Nelson, Goshen, Earl and Nepaug Sts., to exceed $15,000; 7,500 ft. of 8-12 in. mains in South Main St., West Hartford, $25,000. C. M. Saville, 1026 Main St., engr.

N. Y., Batavia—Voted $30,000 bonds extending pipe lines. F. R. Russell, city clk. Noted Nov. 8.

N. Y., Jamestown—Bd. Pub. Utilities rejected bids Nov. 1, hauling and laying 25,000 ft. 6-16 in. c.i. pipe, and 50,300 lb. fittings. Contract for power house piping and traveling water screens, to Ludwig & Guinnane, Jamestown, $2,784. Noted Oct. 25.

N. Y., Potsdam—Voted $175,000 bonds filtration plant. Will mature in spring. Engineer not announced.

Pa., Duquesne—Plans new filtration plant, reservoir, and bridge. $625,000.

Pa., McKeesport—Voted $233,000 bonds for extending and improving waterworks. Will mature in spring. Noted Nov. 1.

Pa., Phila.—Voted $6,000,000 bonds for waterworks improvements, and $200,000 for extending high pressure fire system.

Md., Baltimore—Voted $10,000,000 bonds for extending and improving water supply. V. B. Siems, water engr.

Va., Charlottesville — Voted $500,000 bonds for additional water supply, incl. laying of 12½ mi. 18 in. c.i. pipe (to be furnished by city f.o.b. cars). Bids will be received some time after Dec. 15. B. A. Bennett, city mgr. Noted Oct. 18.

W. Va., Fairmont—Voted $150,000 bonds for filtration plant. Noted Oct. 4.

W. Va., Lewisburg—Voted $40,000 bonds for waterworks.

W. Va., Parkersburg—Defeated $250,000 bond issue for water works and filtration plant. Noted Oct. 4, under "Streets and Roads."

N. C., Cullowhee—Normal and Industrial School plans new water supply system. $30,000. H. A. Underwood, Jt. Bl. Bldg., Raleigh, engr.

N. C., North Wilkesboro—Comrs. voted $85,000 bonds for water and power improvements.

Tenn., Jackson—Election soon to vote on $100,000 bonds for extensions and improvements to present water plant, new reservoir, pumps, pipe lines, etc.

Ky., Paintsville — Plans extension to waterworks and substitution of electrically operated pumping machinery for present steam plant. $50,000. Noted Nov. 7.

O., Lakewood (Cleveland, P. O.)—Voted $135,000 bonds mains. Work to proceed in spring. E. A. Fisher, City Hall, engr.

O., Mount Sterling—Plans rebuilding water and power plant, recently destroyed by fire. $50,000. Engineer not selected.

Mich., River View—Village, c/o R. A. Murdoch, engr., 603 Free Press Bldg., Detroit, having preliminary plans made laying 1 mi. 10 in. c.i. main from city limits of Wyandotte to supply newly incorporated village of River View. $20,000.

Mich., Royal Oak—Having preliminary plans prepared sinking new well and laying 5,000 ft. 12 in. c.i. pipe. $50,000. P. H. Beauvais, city mgr.

Ill., Belvidere—Making preliminary plans waterworks improvement, incl. repairs to reservoir. $25,000. W. L. Shields, 8 South Dearborn St., Chicago, engr.

Ill., Columbia—Plans distribution system, tower, tank, pumping equipment, etc. $50,000. W. A. Fuller Co., 1917 Ry. Exch., St. Louis, Mo., engrs.

Ill., Trenton—Plans steel tank and tower, pumping equipment and distribution mains, etc. $50,000. W. A. Fuller Co., Ry. Exch., St. Louis, Mo., engrs.

Ia., Carlisle—Making plans and takes bids about Jan. 1, waterworks. $23,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Nov. 8.

Ia., Greasers (Shellsburg P. O.)—Plans waterworks. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Sioux City—W. E. Buell & Co., engrs., 205 Davidson Bldg., preparing plans and take bids about Jan. 1, complete waterworks, sewers and disposal plant, for city.

Kan., Brookville—Voted $20,000 bonds for waterworks. R. L. Martin, city clk.

Mont., Missoula—Plans new water supply system. $900,000. Burns & McDonnell, 404 Marsh-Strong Bldg., Los Angeles, Calif., engrs. Noted July 19.

Mo., Farmington—Making plans and takes bids about Dec. 15 waterworks improvements. $15,000. C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted Nov. 8.

Mo., Joplin — Joplin Water Co. having preliminary plans prepared 20,000 ft. c.i. mains, valves, etc. $30,000. Private plans.

Mo., Potosi—Making preliminary surveys waterworks pumping plant, stand pipe, distribution mains, etc. To exceed $30,000. F. W. Graham, 5244 Cote Brilliante, St. Louis, engr.

Ark., Greenwood — Making preliminary survey to determine water needs of city. $30,000. W. L. Winters, 700 South 20th St., Ft. Smith, engr.

Tex., Corsicana—Making plans main extensions, $15,000. W. W. McClendon, city engr.

Tex., Dallas—Beverly Hills Fresh Water Supply Dist. No. 2, soon takes bids mains, tanks, etc. $35,000. Myers & Noyes, Merchantile Bank Bldg., Dallas, engrs.

Ore., Beaverton—Rejected bids waterworks improvements incl. 500,000 gal. reservoir, 1,966 ft. 12 in., 5,660 ft. 10 in. and

Waterworks (Continued)

26,750 ft. 8 in. c.i. pipe line from Bull Run. Poe & Allen, Spalding Bldg., Portland, engrs. Noted Nov. 8.

Calif., Daly City—Plans election to vote on bonds to improve system in Crocker tract. $30,000.

Ont., Newmarket—Plans 2½ mi. c.i. mains, mostly 6 in., to suburbs of town. $25,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—York Twp., 40 Jarvis St., plans 12 mi. 6-12 in. c.i. mains, in Area A, $88,000 and Area B $170,000. F. B. Goldike, 40 Jarvis St., engr.

Ont., Welland—Plans improving and extending waterworks, 2 mi. c.i. mains, 6 in. up, valves, hydrants, etc. $30,000 or more. Chipman & Power, Mail Bldg., Toronto, engrs.

BIDS DESIRED

N. Y., Brooklyn—Nov. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Dahill Rd., Aves. N and O, Linden, Schenectady, 9th, 20th and 26th Aves., 54th, 61st, 63rd, 69th, 76th, 91st and 98th Sts.; relaying, etc., mains in Kingshighway and Ave. P, here.

N. Y., Grand Island — Nov. 19, by E. Bucher, chn. Bd. City Comrs., water system. To exceed $25,000.

N. Y., New York — Nov. 23, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Lucerne St., Dwight and Robinson Places, Radio and Spencer Drives, Ampere, Bayview, Griswold, Library, Ohm, Research, Stadium and Watt Aves., Bronx Boro.

Minn., St. Paul—Nov. 20, by H. W. Austin, city purch. agt., three thousand ¾ in. corporation cocks, three thousand ¾ in. inverted key curb stops, five hundred ¾ in., three hundred 1 in., one hundred 1½ in. and fifty 2 in. tail pieces; 1,030 lin.ft. 36 in. concrete pipe and 170 piles; 3,580 disc type cold water meters, for Water Dept. G. M. Shepard, city engr.

Kan., Waterville—Nov. 21, by H. C. Strohm, city clk., addition to present system, incl. c. i. pipe line, well, furnishing and erecting motor driven centrifugal deep well pump. Black & Veatch, Mutual Bldg., Kensas City, Mo., engrs.

Wash., Seattle—Dec. 14, by Bd. Pub. Wks., inlet, outlet conduit controlling works and pipe lines, for Lake Youngs Development. J. D. Blackwell, city engr.; adv. E. N.-R. Nov. 15.

Calif., Durham.—Nov. 20 by G. W. Clunt, clk. Durham Union High School Dist., Durham, furnishing and installing plunger or centrifugal type pump to deliver not less than 3,000 gal. per hour, under pressure not less than 25 lb., incl. 1,000 gal. pressure tank, valves, couplings, 3 phase motor, etc.

Ont., Windsor—Essex Border Utilities Comn. taking bids filtration beds and reservoir. Bids for pumphouse, pipe lines, pumping and filtration equipment will be called about Jan. 1. $150,000. J. C. Keith, c/o Comn. engr. Noted Sept. 20.

BIDS RECEIVED

O., Cleveland—Fairmount Rd. tunnel for Baldwin-Fairmount Project, Contr. 43, from P. F. Connelly Co., 2029 East 102nd St., $140,270.

CONTRACTS AWARDED

N. Y., Jamestown—See "Proposed Work."

N. Y., New York—Bd. Water Supply, Gas & Electricity, Municipal Bldg., mains in Boyd, Bronxwood, Colden, Delafield and Leland Aves., etc., to Knight & Demicco, 448 East Tremont Aves., $14,500. Noted Oct. 18.

N. Y., Long Island City—Bd. Water Supply, Gas & Electricity, Municipal Bldg., mains in Anable, Woolsey and 6th Aves., etc., here, to J. A. Gregory, 351 East 124th St., New York City, $42,572. Noted Nov. 1.

N. C., Andrews—See "Industrial Works."

La., West Monroe—Bd. Aldermen, laying 3 mi. 3-6 in. pipe here, to Merkel Mchy. & Constr. Co., 1733 Walnut St., Kansas City, Mo., $34,843. Noted Oct. 25.

Ky., Moorehead — Chesapeake & Ohio R.R. Co., 823 East Main St., Richmond, Va., water treating plant, here, to J. E. Nelson & Son, 3240 South Michigan Ave., Chicago. Est. cost $25,000.

Ky., Pond Creek—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, pumping station, elevated steel tank, etc., here, to J. E. Nelson & Sons, 3240 South Michigan Ave., Chicago. Cost to exceed $40,000.

Ky., Powderly—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, water treating plant and pumping station, here, to J. E. Nelson & Son, 3240 South Michigan Ave., Chicago. Est. cost $40,000.

O., Cleveland—See "Unclassified."

O., Cleveland—Filter and administration buildings and 7 gate house superstructures for Baldwin filtration plant, Contr. 47, to Stange-Walsh Constr. Co., 2315 Fairmount Rd., $2,885,500. Noted Oct. 4.

O., Cleveland—Four 1 story, 30 x 40 ft., concrete gate houses at Fairmount Reservoir, to Schrader Constr. Co., Euclid-46th St. Market Bldg., $53,313. Noted Nov. 8.

Ia., Albia—Impounding reservoir, filtration plant, and pumping station, to A. Phelps & Son, Knoxville, approximately $50,000. Noted Oct. 25.

Ia., Lenox — Waterworks improvements, 420 lin.ft. 6 and 8 in. Class A, 2,400 lin.ft. 6 in. Class B c.i. pipe and fittings to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago; 3 pumps and motors, to Interstate Mchy. Supply Co., Omaha, Neb.; pipe line to F. Carruthers, Lenox; earth dam, concrete spillway, low service pump house, filter house, filter unit, and rein.-con. well, to Henningson Eng. Co., National Bldg., Omaha, Neb.

Ia., Washington—For 1,900 ft. well with casing to F. M. Gray, Jr., Co., 290 3rd St., Milwaukee, Wis., 15½ in. casing $20.75, 12 in. $10.80, 8 in. $8.95 and 8 in. hole $7, total $18,916. Noted Oct. 11.

Okla., Tulsa—Mohawk Pumping Station, Contr. 14, to E. J. Merkle, 1733 Walnut St., Kansas City, Mo., $220,000; concrete chimney, Contr. 15, to J. V. Boland Constr. Co., Chemical Bldg., St. Louis, Mo., $4,984; 21,500 ft. of 30 in. force main, hammer weld steel, Contr. 16, to H. L. Cannady Constr. Co., Tulsa. $9.90 per ft., etc., total $230,264. Noted Sept. 27.

Wash., Tacoma—Will repair and replace pipe line of gravity water system by day labor. Will take bids after Dec. 1. ¼ mi. 48-54 in. steel pipe ⅜ in. plate, ¼ mi. 39 in. steel pipe, ¼ mi. 46 in. and ¼ mi. 60 in. woodcreosoted, continuous. $100,000. W. A. Kunigk, supt. water system.

Ont., Oshawa—Constructing 500,000 imp. gal. water tower, 110 ft. high, to Dominion Bridge Co., Imperial Life Bldg., Toronto. Engrs. est. $30,000. Noted Oct. 18.

Sewers

PROPOSED WORK

N. J., Riverton — Making revised plans 11,500 lin.ft. 6-15 in. vitr. clay sewers, Imhoff tanks, disposal plant, pumping station, etc. $85,000. Sherman & Sleeper, Camden, engrs.

Pa., Phila.—Voted $9,000,000 bonds for sewage disposal plants, and $3,300,000 for constructing sewers.

Ky., Louisville—Comrs. of Sewerage plan Central Relief Sewer, Bway. to Main and 9th Sts., semi-elliptical, 9 ft. diam. $500,000. J. B. F. Breed, 417 West Main St., engr. Noted Oct. 18.

Ky., Sturgis — Plans sanitary sewerage system. $25,000. C. H. Jenks, Union City, Tenn., engr.

O., Cincinnati—Defeated $650,000 bonds extending sewerage system. Noted Nov. 1.

O., East Youngstown—Plans approximately 5 mi. sewers in Reed Ave., Gordon, Penhale, Princess, Picidilla, Regent, Oxford, Robinson and Tenney Sts. $225,000. Will mature in spring. A. Julius, city aud.

O., Massillon—Voted $300,000 bonds trunk sewers. Noted July 12.

Mich., Grand Rapids—Voted $5,000 000 bonds for disposal plant, storm water relief and intercepting sewers. M. P. Adams, city sanitary engr. Noted Oct. 18.

Ill., Breese—Making plans sewerage system. $75,000. Kelker, Deleuw & Co., 111 West Washington St., Chicago, engrs.

Ill., Deerfield—Making plans sewerage system and disposal plant. $150,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Lewistown—Takes bids about Nov. 26, 13,000 ft. 8 in. vitr. sewers, disposal settling tank, etc. $25,000. W. A. Fuller Co., Ry. Exch., St. Louis, Mo., engrs.

Ill., Madison—Making preliminary plans 3,000 ft. storm and sanitary sewers in 8th and Madison Sts., 12 in. up. $21,000-$25,000. City engineer in charge.

Ill., Pinckneyville—Plans 3,000 ft. 8-24 in. storm and sanitary sewers and disposal plant. $25,000. E. F. Harper, Murphy Bldg., East St. Louis, engr.

Ill., River Grove — Plans sanitary and storm sewerage system. $200,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ill., Stickney—Plans sewerage system. $200,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Ia., Sioux City—See "Waterworks."

Kan., Manhattan — Making preliminary survey storm sewers for West Manhattan. $100,000. H. W. Alexander, City Hall, engr.

Mo., Carthage—Voted $110,000 bonds and takes bids about Dec. 15, intercepting sewers, disposal plant, Imhoff tank, sludge beds, etc. C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted Oct. 18.

Mo., Carthage—Voted $110,000 bonds disposal plant. C. D. Drake, mayor.

Mo., Clayton (Branch of St. Louis)—Hodlamont Sanitary Sewer Dist., having preliminary surveys made 8, 10 and 12 in. sanitary sewers in Hodlamont Twp. To exceed $30,000. L. C. Dziatzko, Empire Bldg., Webster, engr.

Mo., Clayton (Branch of St. Louis)—St. Louis Co. Sewer Dist. 2 soon takes bids 8,000 ft. 8, 10 and 12 in. vitr. sanitary sewers in Hanover Heights. $50,000. L. C. Dziatzko, Empire Bldg., Webster, engr.

Mo., Farmington—Making plans and takes bids about Dec. 15, storm and sanitary sewers, etc. $85,000 bonds voted C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted Nov. 8.

Mo., Wellston (St. Louis, P. O.)—Wellston Sanitary Sewer Dist. having preliminary surveys made 8, 10 and 12 in. sanitary sewers. To exceed $35,000. L. C. Dziatzko, Empire Bldg., Webster, engr.

Tex., Burkburnett—Nov. 27 to vote on bonds for sewers. $50,000. J. L. Dellis, city engr.

Okla., Marlow—Preparing plans several lateral sanitary sewer districts, 15,000 ft. 8 in. and 5,000 ft. 10 in. vitr. clay sewers. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Stroud—Voted $52,000 bonds for sanitary sewers, disposal plant, Imhoff tanks, sledge bed, 3,000 ft. 10 in., 2,800 ft. 8 in. and 2,000 ft. 12 in. vitr. clay. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs. Noted Nov. 1.

Calif., Pasadena—Plans sewage disposal plant. Burns & McDonnell Eng. Co., 404 Marsh-Strong Bldg., Los Angeles, engrs.

Calif., San Bruno — See "Streets and Roads."

Calif., San Luis Obispo — Making plans storm sewers in Monterey St. $38,000. W. B. Roselip, city engr.

Que., Montreal—Plans 369 ft. of 66 in. steel sewer pipe in Fullum St. $41,800, and 999 ft. 2 x 3 brick sewer in Notre Dame deGrace Ave. $11,705. E. Gauthier, asst. city clk.

Ont., Niagara Falls — Stamford Twp. plans 7,000 ft. 9-24 in. vitr. tile sanitary sewers in various streets. M. F. Kerr, Ferry St., engr.

Ont., Ottawa—Bd. Control soon takes bids 30 in. sewer in Byng Dr. from Diana to Cornella Sts. $31,000. A. F. Macallum, city engr.

Ont., St. Thomas—Having plans prepared disposal plant. $50,000. Prices wanted on materials. A. Miller, City Hall, engr.

BIDS DESIRED

R. I., Providence—Nov. 26, at office E. D. Miller, city clk., City Hall, reconstructing brick sewer, etc. J. H. Gainer, mayor and chn.; adv. E. N.-R. Nov. 15.

Mich., Holland—Dec. 5, by Common Council at office R. Overweg, city clk., rein.-con. or segment block sewer; adv. E. N.-R. Nov. 15.

Tex., Houston—City Com. taking bids 8-15 in. sewers and pumping plant for Eastwood addition and Leeland. $33,500. J. C. McVea, city engr.

BIDS RECEIVED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., tile sewers in (1) Crystal Ave. between Hopkins St. and point 1,540 ft. east, (2) Crystal Ave. between 250 and 450 ft. west of South Park Ave. (3) Culver Rd. south side, between South Park Ave. and point 1,170 ft. east (4) Culver Rd. north side, between 100-1,170 ft. east of South Park Ave. (5) Culver Rd. north side, between 100 and 1,000 ft. west of McKinley Parkway (6) Culver Rd. south side, between McKinley Parkway and point 1,000 ft. west (7) Dewey Ave. between 1,612 and 1,920 ft. east of Fillmore Ave. (8) Dundee St. (9) Floss Ave (10) Olympic Ave. (11) Ridgewood Rd. north side, between 100 and 1,245 ft. east of South Park Ave. (12)

Sewers (Continued)

Ridgewood Rd. south side between South Park Ave. and point 1,245 ft. east (13) Ridgewood Ave. between 100 and 920 ft. west of McKinley Parkway (14) Ridgewood Rd. between McKinley Parkway and point 920 ft. west (15) Silverdale Pl. (16) Cloverdale Ave., from F. C. Strack, Jr., 428 Colton Ave., Lackawanna, (1) $9,150; J. M. Fahning,460 Leroy Ave., (2) $1,172 (3) $2,848 (4) $2,319 (5) $1,764 (6) $2,100 (8) $3,220 (11) $2,467 (12) $2,676 (13) $1,469 (14) $1,768 (16) $5,600; J. J. Rupp, 2135 Fillmore Ave., (7) $1,549 (10) $4,200; Dark & Co., 654 Main St., (9) $3,025; W. C. Culliton, 2079 Main St., (15) $2,596. Noted Oct. 25.

Mo., St. Joseph—For 1,889 ft. of 16 ft. circular sewer, from Hanson & Willadsen, Omaha, Neb., $114,675. Noted Oct. 18.

O., Cleveland—Cuyahoga Co. Nov 3, sewer in Snow Rd. Impvt. 39, from Duff & Champion, 1471 Arthur Ave., Lakewood, $38,386. Noted Nov. 1.

O., Zanesville—J. R. Tanner, dir. Pub. Serv., 24 mi. laterals and house connections for completion of Southwestern Sewer Dist. 5, from Adams Bros. Contg. Co., Mushingum Ave., $303,150. Noted Nov. 1.

Que., Montreal—Constructing 930 ft. 2 x 3 brick sewer and 2,100 ft. 12 in. tile sewer in Sherbrooke St. from Wurtele to Bourbonniere Sts., from C. Frascarelli, 654 Berri St., $38,245.

CONTRACTS AWARDED

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in West 176th and West 180th Sts., to Spedero & Turriamo, 3185 East Tremont Aves., $24,489 and $2,379 respectively; Davidson Ave., to M. Del Balso, 660 East 221st St., $1,298. Noted Nov. 8.

O., Columbus—Franklin Co. 12,608 ft. 8-18 in. vitr. sewer and 3,000 ft. 8 in. c.i. mains in Sewer Dist. Marion 2 (North Whittier Garden Area), Contr. 16, to W. D. Winchell, 338 Seibert St., $41,783; 3,556 ft. c.i. mains in Sewer Dist. Franklin 3, Contr. 29, and 2,644 ft. 8 in. vitr. sewers, in Sewer Dist. 3, Contr. 28, to W. Neilson, 169 Lane Ave., $5,626 each. Noted Nov. 1.

Mo., Clayton—(Branch of St. Louis) St. Louis Co. Sewer Dist. 1, 8, 10 and 12 in. sanitary sewers in Hanover and Fletcher Heights, to United Constr. Co., Pontiac Bldg., St. Louis, $26,999. Engrs. est. $27,314. Noted Nov. 1.

Mo., Marceline—For 2 disposal plants, 12,560 ft. 8-12 in. vitr. and 336 ft. c.i. pipe, etc., to Ray & Sons, Baxter Springs, Kan., $50,247. Noted Nov. 1.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 4,175 ft. segmental block and 2,000 ft. 10-16 in. vitr. sewer in Oakland Ave., to Martin & Riley, Title Guaranty Bldg., $35,252. Engrs. est. $40,000. Noted Nov. 8.

Mo., Unionville — Sanitary sewers, to Gjellefold-Chapman Co., Forest City, Ia., $71,835.

Tex., Ft. Worth—Riverside sewers, 6, 8, 12 and 15 in., to McKenzie Constr. Co., Riverside, $27,106. Noted Nov. 8.

Calif., Long Beach—Anaheim St. sewage disposal, etc., to S. P. Tomich, 425 North Fremont St., Los Angeles, $78,000.

Ont., Fort Erie—Concrete and vitr. clay sewers, to F. F. Fry Co. Ltd., 43 Scott St., Toronto, $43,270.

Waste Disposal

PROPOSED WORK

Tex., Austin—Dec. 14, to vote on $50,000 bonds for incinerator. C. E. Leonard, city engr. Noted Sept. 13.

Bridges

PROPOSED WORK

N. Y., Aurora — Plans reconstructing various bridges. $150,000. J. D. Bradburn, East Aurora, town clk.

Pa., Duquesne—See "Waterworks"

Pa., Phila.—Voted $500,000 for bridges.

Pa., Phila.—Voted $5,623,000 bonds for constructing approaches and superstructure of Delaware River Bridge.

Pa., Phila. — Bureau of Surveys, Dept. Pub. Wks., having plans prepared 70 ft. concrete and steel bridge, 2nd and Luzerne Sts., 120 ft. concrete and steel over Penn Ave. at Girard and 51st Sts., 100 ft. concrete and steel at 2nd and Stover Sts., connecting branch line of Pennsylvania R.R. at Glenwood Ave., 175 ft. concrete bridge at Walnut Lane over Lincoln Dr. and Croshem Creek. A. Vogelman, ch. engr.

N. C., Asheville — See "Streets and Roads."

N. C., Raleigh—City, Southern and Seaboard Air Line Rys., Yarborough Bldg., take bids soon extending Ashe Ave., by constructing overhead bridge over tracks at Blind Institution, $27,000.

Alabama—State Hy. Dept., Montgomery, plans 700 ft. concrete bridge, 26 spans, on Uniontown-Browns Sta. Rd., Federal Aid Project 142, Perry Co.; 1,200 ft. bridge on Monroeville-Bay Minette Rd., Federal Aid Project 140, Baldwin Co. W. S. Keller, state highway engr.

O., Cincinnati—Defeated $825,000 bonds 8th St. viaduct. Noted Nov. 1.

O., Milford—Clermont Co. (Batavia) and Hamilton Co. (Cincinnati) plan repairing superstructure of 275 ft. petit truss bridge. $80,000. E. A. Cast, Court House, Cincinnati, co. surv.

Ind., Evansville — Vanderburg Co. plans repairing and strengthening Franklin Ave. bridge over Pigeon Creek, near here, $30,000. R. W. Meisinger, co. engr.

Mich., Kalamazoo—See "Unclassified."

Ill., Chicago—Voted $2,650,000 bonds for 200 ft. double leaf bascule bridge and approaches, 86 ft. wide, on La Salle St. over Chicago River. J. Ericson, city engr.

Ill., Chicago—Soon takes bids 90 ft. single leaf bridge on Roosevelt Rd. over Chicago River. $150,000. J. Ericson, city engr.

Kan., Phillipsburg—Phillips Co. rejected bids 140 ft. bridge on Federal Aid Project 166, Sect. B, one 80 ft. span and two 30 ft. approach spans, 148.7 cu.yd. rein.-con., 141.6 cu.yd. concrete, 25,100 lb. reinforcing, and 90,513 lb. structural steel, etc. Will readvertise. C. E. Freeman, Phillipsburg, engr.

Wyoming—State Hy. Dept., Cheyenne, rejected bids constructing 22 pile timber bridges, 1-3 spans, on Federal Aid Project 158, Kemmerer-Marbleton Rd., Lincoln and Sublette Counties. Noted Nov. 1.

Mo., Marquand—State Hy. Dept., Jefferson City, plans two 130 ft. steel truss spans, 1 rein.-con. pier, 18 ft. roadway, etc., over Castor River, here, Madison Co. B. H. Piepmeier, state highway engr.

Tex., Junction—Kimble Co. having revised plans prepared 120 ft. concrete bridge over Bear Creek, near here, $40,000. Former bids rejected. W. E. Simpson Co., 414 N. B. C. Bldg., San Antonio, engrs.

Tex., San Antonio — Dec. 4, to vote on $100,000 bonds for 2 or 3 concrete bridges. D. D. Harrigan, city engr.

BIDS DESIRED

N. J., Freehold — Dec. 5, by Bd. Freeholders Monmouth Co., Bridge Hl-48, one 70 ft. plate girder encased in concrete, on Squankum-Lakewood Rd. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Nov. 15.

W. Va., Williamson—Nov. 27, by Mingo Co., constructing Tamcliff Bridge over Guyandotte River, on Co. Project 16. A. Bishop, pres.; adv. E. N.-R. Nov. 15.

North Carolina—See "Streets and Roads."

S. C., Walhalla—See "Streets and Roads."

Florida — Nov. 27, at office State Rd. Dept., Tallahassee, embankment, creosoted timber bridge and bulkhead portion of bridge across Escambia Bay, on Rd. 1, Project 38-A, Santa Rosa and Escambia Counties. J. L. Cresap, acting state highway engr.; adv. E. N.-R. Nov. 15.

Fla., Clearwater—Nov. 19, by Pinellas Co., concrete box culvert, concrete slab, combination concrete curb and gutter and 1,500 lin.ft. creosoted timber bulkheads. C. E. Burleson, co. engr.

Miss., Greenville—Nov. 30, by Hy. Comrs. Washington Co., furnishing material steel bridge. O. C. Kulicka, assistant engr.; adv. E. N.-R. Nov. 15.

Illinois—Nov. 22 by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 3 rein.-con. slab and 3 rein.-con. girder bridges, substructure for 1 steel and 1 steel superstructure, 1,534 cu.yd. concrete and 86,620 lb. structural steel. C. H. Older, ch. highway engr.

In., Jefferson—Nov. 20, by Auditor Greene Co., 13 circular and 4 box culverts, 4 culvert extensions, one 24 x 40 ft. I beam bridge, and widening Eureka Mill Bridge, on Lincoln Highway. Iowa Hy. Comn., Ames, engrs.

South Dakota—Nov. 20, by State Hy. Dept., Pierre, constructing 160 ft. concrete viaduct, incl. 241.2 cu.yd. concrete, 24,310 lb. reinforcing and 114,929 lb. structural steel, on Federal Aid Project 168 Haakon Co., also 33 ft. concrete viaduct and 15 ft. wooden bridges incl. 42 cu.yd. concrete, 7,065 lb. reinforcing and 4,924 lb. structural steel, on State Aid Project 75, Butte Co. F. D. Hudgins, ch. engr.

Tex., Canadian—Nov. 24, by J. E. Stephens, judge Hemphill Co., 620 ft. extension to bridge over Canadian River, 4 steel spans, concrete piers. R. H. Spiller, co. engr.

BIDS RECEIVED

New Jersey—State Hy. Dept., Trenton, 65 ft. double leaf bascule highway span, 30 ft. roadway and two 5 ft. 6 in. roadway extensions, over Inland Waterway Canal, Route 4, Sect. 21, Point Pleasant, Ocean Co., also 80 ft. single leaf overhead bascule highway span, concrete piers, etc., over Cedar Bonnet, Manahawken Bay, Stafford, Ocean Co., from S. S. Thompson, 111 Church st. Nut St., Red Bank, 99% engrs. est. ($127,435) and 21% ($69,847) respectively. Noted Oct. 25.

O., Cleveland—Cuyahoga Co. steel superstructure, concrete substructure, for bridge on Hillside Rd., 363,000 lb. steel, etc., from Standard Eng. Co., Toledo, $30,987. Engrs. est. $31,750. Noted Oct. 18.

Okla., Tulsa — Tulsa Co., bridge over Homony Creek, two 50 ft. and one 140 ft. steel truss spans, from Patterson Steel Co., Zanthus and Chalmers Sts., $27,096.

Calif., Salinas — Monterey Co., 712 ft. bridge, 21 ft. wide, near Hilltown, from J. G. Williams Constr. Co., 519 California St., San Francisco, $32,437; furnishing and delivering 500 tons steel for same, from Judson Mfg. Co., 817 Folsom St., San Francisco, $42,440.

CONTRACTS AWARDED

Conn., Avon—Ensign Bickford Co., 100 ft. (3 span) steel truss bridge, to Natl. Iron Wks., Windsor St., Hartford. Engrs. est. $25,000.

Pa., Pittsburgh—Reconstructing 83 ft. bridge steel floor plates, beams and girders, two 10 ft. rein.-con. walks and 39 ft. rein.-con. roadway over Pennsylvania River on Penn Ave., to Independent Bridge Co., May Bldg., $44,450.

W. Va., Weston—Lewis Co., several small bridges, to Luten Bridge Co., Weston $35,300.

Ga., Macon—Central of Georgia R.R. Co., Savannah, substructure for 8 steel girder span bridge over Okmulgee River, here, to Nichols Contg. Co., T. C. Ga. Bldg., Atlanta, here.

Alabama—State Hy. Dept., Montgomery, creosoted timber bridges on Selma-Montgomery Rd., Federal Aid Project 139, Lowndes Co., to W. C. McCoy, Layfette, Ala., $48,391; substructure and approaches of rein.-con. bridge over Alabama River at Reeses Ferry, to Koss Constr. Co., 2818 5th St., Des Moines, Ia., substructure; 147.6 cu.yd. Class A concrete $35, 2,148.2 cu.yd. Class B $24.70, 1,805.4 cu.yd. Class C $15, 3,372 cu.yd. dry excav. $4, 2,229 cu.yd. wet excav. $12, approaches; 2,789.36 cu.yd. Class A concrete $21, 497.64 cu.yd. Class B $15, etc., total $249,985. Noted Nov. 1 and 8.

O., Fremont—Sandusky Co., 5 arch rein.-con. bridge over Sandusky River, State St., to Jones Bros., Fremont, $184,078. Noted Oct. 11.

Ill., East St. Louis—East Side Levee & Sanitary Dist., setting piers and abutments, for three 80 ft. span, rein.-con. bridge 24 ft. roadway, over Project 12 canal, to H. H. Hall Constr. Co., Murphy Bldg., $25,865. Contract for superstructure will be let next spring.

Kan., Topeka—For 3 bridges on Dover Rd., one 140 ft. steel span, two 100 ft. Marsh arch spans, 20 ft. roadways, to F. Luttiohann, Topeka, $17,544, $20,779 and $20,359 respectively. Engrs. est. $60,000.

Tex., Centerville—Leon Co. 1,370 ft. timber pile trestles with 8,160 ft. earth approaches over Keechi, Beaver and Boggy Creeks, to W. L. Sanders, Cooledge, $37,613. Noted Nov. 8.

Dams

PROPOSED WORK

Tex., Ft. Worth—Southwestern Portland Cement Co. rejected bids earth dam with concrete spillway, on Sycamore Creek. $60,000. Plans to be revised. J. B. Hawley, Cotton Exch., engr. Noted Nov. 1.

Tex., San Antonio—See "Unclassified."

Que., Chicoutimi—Donnacona Paper Co. plans logging dam and hydro electric power house near here.

Dams (Continued)

BIDS DESIRED

Md., Frederick—Nov. 27, by E. C. Crum, city engr., earth dam on Fishing Creek, 575 ft. concrete cutoff and core wall, 48,000 cu.yd. rolled embankment, etc. Norton, Bird & Whitman, advisory engrs.; adv. E. N.-R. Nov. 15.

Railways

PROPOSED WORK

Connecticut—Connecticut Co., State St., Hartford, plans laying double tracks on Windsor Ave. and paving stretch 2,500 ft. long, 17 ft. wide, with 3 in. asphalt on 6 in. concrete in Hartford. $50,000.

Pennsylvania—City of Philadelphia voted $750,000 bonds for extending and improving surface railways from point near Bridge St. to Poquessing Creek, Philadelphia.

Excavation, Drainage, Irrigation

PROPOSED WORK

Fla., Lake Worth — Palm Beach Co. (West Palm Beach) plans election to vote on $125,000 bonds for inlet 108 ft. wide. C. Holstlaw, West Palm Beach, will probably be engineer.

Miss., Greenwood—See "Unclassified."

Miss., Senatobia—Panola-Tate D. D., plans moving approximately 510,000 cu.yd. earth, suitable only for drag line machine. $80,000-$100,000. Southern Eng. Co., Clarksdale, engrs.

Ark., Morrillton—Conway Co. D. D. 3, making preliminary plans drainage system and levee along Arkansas River to provide protection for several thousand acres. $25,000. S. G. Davies, engr.

Tex., San Antonio—See "Unclassified."

Calif., Santa Ana—Newhone Irrigation Dist. had plans prepared 6-30 in. underground tile drains, approximately 8 ft. deep, to drain 3,568 acres. To exceed $130,000. R. L. Loucks, Box 16, engr.

BIDS DESIRED

Florida—See "Bridges."

Ia., Carroll—Nov. 19, by W. T. Bohnenkamp, aud. Carroll Co., and G. A. Coburn, aud. Greene Co. (Jefferson), for Joint D. D. 86, Carroll Co. and 150, Greene Co., 8,600 lin.ft. open ditch, 40,000 cu.yd. excav., 76,370 lin.ft. 6-38 in. tile, etc., $32,000.

Calif., Blythe—Nov. 24, by Trustees Palo Verde D. D., 8 mi. open drain, Riverside Co., 300,000 cu.yd. earth excav., 2,000 lin.ft. piling, 50,000 ft. lumber, etc. F. F. Friend, ch. engr. D. W. Murphy, Blythe, consult. engr.

BIDS RECEIVED

Calif., Turlock—Turlock Irrigation Dist., from C. F. Tullock, Merced, excavating Item 3, high line main canal and Cross Ditch 1 enlargement $7,375, Item 4, Ceres Main Canal enlargement $6,840; from Byron Jackson Pump Mfg. Co., 55 New Montgomery St., San Francisco, 24 drainage pumping plants $15,488. Concrete lining and transmission lines will be built by day labor, estimated costs $105,252 and $350,000 respectively. Noted Oct. 18.

CONTRACTS AWARDED

Ky., Calhoun—Drainage Comrs. McLean Co., San Ferguson Drainage Ditch, to J. C. Carr Constr. Co., Ft. Wayne, Ind., $0.085 per cu.yd., total $101,990.

Ia., Ft. Dodge—C. A. Snook, aud. Webster Co., open ditch and tile drains in Joint D.D. 315-156, Webster and Greene Counties, 8,900 cu.yd. excav., 116,560 lin.ft. 6-38 in. tile, etc., tile material to Humboldt Gravel & Tile Co., Humboldt, $87,615; tile labor to Jefferson Cement Products Co., Jefferson, $54,443. Noted Oct. 11.

Streets and Roads

PROPOSED WORK

Conn., Hartford — See "Railways" under Connecticut.

Pa., Catasauqua—Plans to pave 1½ mi. various streets incl. excav., concrete curbing, sewers, etc. $50,000. Bascom & Sieger, Catasauqua, engrs.

Pa., Cresson—Cresson Boro. approved $40,000 bond issue improving Centre St., Park, Powell, Laurel, Ashcroft, Keystone, Columbus and Cathedral Aves. D. W. Dillman, Altoona Trust Bldg., Altoona, engr.

Pa., Lewistown—Boro. approved $125,000 bond issue for improving and paving Pine, Walnut, Spruce, Chestnut, Wayne, 5th, 4th, 3rd, Hale, Charles and Brown Sts., also extending and improving sewers in Walnut St. and several other streets. Banks & Craig, Telegraph Bldg., Harrisburg, engrs. Noted Sept. 27.

Pa., Phila.—Voted $2,400,000 bonds for improving and paving streets and $500,000 for grading.

Pa., Sayre—Plans paving and guttering 1 mi. Stevenson, Lincoln and Desmond Sts. $40,000.

Pa., Somerset—Somerset Co. voted $2,000,000 bonds rebuilding various sections of roads throughout county.

W. Va., Moundsville—Marshall Co. election Dec. 8, to vote on $50,000 bonds for roads in Washington Dist. A. Purdy, co. engr.

N. C., Asheville—Comrs. Buncombe Co. plan to sell $200,000 bonds for road and bridge construction. C. M. Lyda, chn. Bd. Comrs.

S. C., Sumter—Sumter Co. voted $1,500,000 bonds for road work extension.

S. C., York—York Co. voted $2,000,000 bonds for road work. L. A. Harris, secy. York Co. Highway Comn. Noted July 12.

Fla., Sebring—Voted $45,000 bonds asphalt and concrete paving streets in Lakeview Pl. Peacock & Hood, Sebring, will probably be engineers.

Alabama—State Hy. Dept., Montgomery, plans grading and surfacing 25 mi. Monroeville-Bay Minette Rd., from Little River to Stockton, 24 ft., Federal Aid Project 140, Baldwin Co.; grading and gravel surfacing 8.966 mi. Uniontown-Browns Sta. Rd., 24 ft., Federal Aid Project 142, Perry Co.; grading and concrete surfacing 2 mi. Tuscaloosa-Northport Rd., 26 ft., Tuscaloosa Co. W. S. Keller, state highway engr.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, soon takes bids grading 11 mi. highway from Lewis Co. line to Linden, Perry Co. $50,000. J. G. Creveling, highway comr. Noted Aug. 31.

Tenn., Tullahoma—Voted $40,000 bonds improving city streets, gravel and oil asphalt.

O., Canton—Takes bids after Jan. 1, asphalt resurfacing and widening 6 blocks Walnut Ave. N. E., from 60 to 80 ft., $100,000 or more. W. E. Sarver, City Hall, engr.

O., Cincinnati—Defeated $3,330,990 bonds Canal Blvd. and $1,850,000 bonds widening and extending 5th St. Noted Nov. 1.

O., Lakewood (Cleveland, P. O.)—Voted $165,000 bonds grading, curbing and paving various streets. Work will proceed in spring. E. A. Fisher, City Hall, engr.

O., New Philadelphia—Plans repaving Bway., East Ave., High and East High Sts., sheet asphalt on 7 in. concrete. $191,246. G. E. Arnold, City Hall, engr.

O., Zanesville—Plans repaving 1 mi. West Main St., 60 ft. $100,000. C. Spencer, city engr.

Ill., Altamont—Had plans prepared paving 3 mi. Main and other streets, 24-30 ft., 47,250 sq.yd. 6 in. concrete, 15,840 cu. yd. excav., etc. $150,000. W. A. Fuller Co., 1917 Ry. Exch., St. Louis, Mo., engrs.

Ill., McLeansboro — Plans grading and concrete paving 3,600 ft. various streets, 27 ft. average width. $35,000. Engineer not announced.

Mich., Detroit—Plans prepared grading and paving with 3½ in. sheet asphalt on 8 in. concrete 68,200 sq.yd. Lawrence, Devereaux, Nardin, Floyd, Ironwood, Diversey, Princeton, Trenton, Mitchell and Roselawn Aves. $390,660. G. Jerome, city engr.

Wis., Port Washington — Ozaukee Co. making preliminary plans concrete surfacing, etc., in city of Cedarburg and 8 mi. State Trunk Highway 57, 18 ft. Wisconsin Hy. Comn., at Div. Office 2, Stephenson Bldg., Milwaukee, engrs.

Minn., St. Paul — Rejected bids opened July 24, paving Grand Ave. between Milton St. and Cretin Ave., 41,134 sq.yd. 3½ in. creosoted wood blocks, etc., and Grand Ave. between Oakland Ave. and Milton St., 13,570 sq.yd. 3½ in. creosoted wood blocks. May readvertise. H. W. Austin, city purch. agt.

Minn., St. Paul — H. W. Austin, city purch. agt., rejected bids paving Minnehaha St. between Lexington and Fairview Aves., and between Fairview and Prior Aves. Will make new plans. Noted Oct. 4.

Kan., Ft. Scott—Plans grading and paving with bituminous filled brick on macadam, Kentucky rock asphalt on macadam, tarvia bound macadam or asphaltic concrete on 6th St., waterbound macadam on Pine St., total length 7,500 ft. $70,000. R. Toles, city engr.

Kan., Salina — Making plans paving 1½ mi. various streets, brick, concrete and asphalt. W. L. Theisner, city engr.

Kan., South Hutchinson (Hutchinson P. O.)—Ruckel Eng. Co., engrs., Interurban Bldg., Hutchinson, ready for bids about Jan. 1, 1½ mi. asphalt paving, for city.

South Dakota—State Hy. Dept., Pierre, soon takes bids grading 10.8 mi. Federal Aid Project 145, Beadle Co. $36,821. F. D. Hudgins, ch. engr.

Ark., Little Rock — See "Contracts Awarded."

Missouri — State Hy. Dept., Jefferson City, plans grading Sects. A and D, Federal and State Project 236, Route 2, Warren Co., 65,010 cu.yd. earth, 1,354 cu.yd. loose and 4,483 cu.yd. solid rock excav. B. H. Piepmeier, state highway engr.

Missouri—State Hy Dept., Jefferson City, plans concrete paving 154,376 sq.yd. Federal and State Project 236 D, Route 2, Warren Co., and Sects. D and E, Federal and State Project 238, Route 2, Saline Co. B. H. Piepmeier, state highway engr.

Mo., Hannibal—Made plans and lets contracts early in 1924, grading, curbing and concrete paving 38,534 sq.yd. 8th, South 6th and Chestnut Sts., Lyon St. from 4th to 5th Sts., Lyon St. from 10th to Maple Sts., Lyon St. from 5th to 10th Sts., Lyon St. from Maple to Market Sts., 6th St. from Center to Bird Sts., 6th St. from 4th to 3rd Sts., 6th St. from 3rd to Front Sts., Hill St. from 7th to 8th Sts. and Hill St. from 4th to 5th Sts. $118,140. W. R. Gettler, city engr.

Tex., Alice—Jim Wells Co. making plans grading, etc., 40 mi. State Highway 9, 24 ft. shoulder to shoulder, concrete or bituminous macadam. $90,000. L. W. S. Mantel, co. engr.

Tex., Angleton—Brazoria Co. voted $350,000 bonds improvement 12 mi. Glacier to Gulf Motorway 16 ft. also constructing concrete bridge across Brazos River. Noted Oct. 4.

Tex., Austin—Travis Co. defeated $1,500,000 bonds highway improvements and road construction. New election soon. O. Leonard, co. engr. Noted Oct. 4.

Tex., Bryan—Brazos Co. plans election to vote on $1,500,000 bonds, constructing and maintaining various highways and laterals. H. Boyett, co. engr.

Tex., Callahan—Baird Co. plans bituminous macadam paving and bridging 35 mi. various roads, 18 ft. $550,000. T. H. Webb, co. engr. $200,000 bonds recently voted and $350,000 appropriated by State and Federal Government.

Tex., Carthage—Attorney Generals Dept., Austin, approved $127,000 bonds improving State Highway 8 and various other roads, in Panola Co. Titus & Dillon, Center, engrs.

Tex., Corpus Christi—Nueces Co. making plans concrete paving 10.01 mi. Corpus-Bishop Rd. 18 ft. $330,500. C. E. Cocke, co. engr.

Tex., Corsicana—Having plans prepared bituminous paving, curbing and guttering, etc., various streets, $75,000. W. W. McClendon, city engr.

Tex., Crockett—Houston Co. election Nov. 24, to vote on $80,000 bonds grading, gravel or macadam surfacing State Highway 21, etc. 16 ft. C. H. Milburn, co. engr.

Tex., Decatur—Wise Co. election Nov. 17 to vote on $75,000 bond issue, grading and gravel surfacing, Bridgeport-Sandy Creek Rd., in Rd. Dist. No. 3. H. R. Smith, co. engr.

Tex., Del Rio—Val Verde Co. soon takes bids graveling 12.74 mi. State Highway 41, south, 16 ft. $94,000. G. M. Gowers, El Paso, engr.

Tex., Eagle Pass—Maverick Co. election soon to vote on $150,000 bonds for highway improvements. State and Federal Government will appropriate $150,000. W. A. Bennett, judge.

Tex., Ft. Worth—Plans graveling, curbing and guttering, etc., Daggett Pl. on Riverside Blvd. D. L. Lewis, city engr.

Tex., Georgetown—Williamson Co. making plans gravel surfacing 13 mi. Florence-Georgetown Rd., 18 ft. $80,000. R. A. Nichols, co. engr. Noted Aug. 9.

Tex., Houston—Harris Co. plans grading, etc., 5 mi. San Felipe Trail. $25,000. Howe & Wise, co. engrs.

Tex., Lamesa—Dec. 6, to vote on $60,000 bonds, paving, curbing and guttering 8-12 blocks, brick or bituminous. $60,000. Address J. R. Williams, Lamesa. Engineer not announced.

Street and Roads (Continued)

Tex., Marlin — Falls Co. making plans grading and rein.-con. surfacing 1.84 mi. State Highway 2-A. $65,000. J. P. Wehrung, co. engr.

Tex., Marshall—Harrison Co. making plans reshouldering and resurfacing with bituminous topping 16.3 mi. State Highway 15, 16 ft. $75,000. E. F. Maddox, co. engr.

Tex., San Antonio — May 4, to vote on $250,000 bonds widening Market and South Flores Sts. J. W. Tobin, mayor. Engineer not selected.

Tex., Waxahachie—Ellis Co. soon takes bids grading and gravel surfacing, 3.04 mi. Exall Highway between Ennis and Palmer Sts., 18 ft. $52,000. W. A. Spaulding, co. engr.

Okla., Henessey—Making surveys grading and paving 11 blocks Main St., 36 to 70 ft. wide. $75,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Tecumseh—Pottawatomie Co. election Dec. 11, to vote on $665,000 bonds grading and paving 40 mi. Postal and Ozark Highways, 450,000 sq.yd. concrete, 200,000 cu.yd. earth and 2,500 cu.yd. rock excav. F. D. Browne, Shawnee, engr.

Okla., Welcetka—Preparing plans grading and paving 6 blocks Seminole, Creek and Chickasaw Sts., 7,300 sq.yd. concrete, 3,100 lin.ft. curbing, etc. $32,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colorado—State Hy. Dept., Denver, concrete paving and grade separation on 0.852 mi. Federal Aid Project 230 A, Douglas Co., 18-30 ft., to Kenney Constr. Co., Bank Blk., Denver, $82,710, engrs. est. $146,733; concrete paving 3.995 mi. Federal Aid 230 B, Douglas Co., 18 ft., to Brodie & Anderson, Interstate Trust Bldg., Denver, $139,974, engrs. est. $154,484. Noted Nov. 1.

Washington—State Hy. Dept., Olympia, plans to expend $200,000 during 1924 for hard surface paving in Lewis Co. Work includes concrete paving 6 mi. highway, 18 ft., between Ethel and Silver Creek. J. Allen, superv. of highways.

California—State Hy. Dept., Sacramento, plans grading and gravel surfacing 3.9 mi. road between Westmoreland and point 4 mi. west, Imperial Co. R. M. Morton, state highway engr.

California—State Hy. Dept., Sacramento, plans improving 10 mi. road between Sacramento and Elk Grove, Sacramento Co., approximately 3 mi. concrete paving and widening to 24 ft., widening remaining 7 mi. to 20 ft. R. M. Morton, state highway engr.

California—State Hy. Dept., Sacramento, making plans constructing concrete shoulders, etc., on approximately 15 mi. San Diego-Oceanside Rd., San Diego Co. R. M. Morton, state highway engr.

California—State Hy. Dept., Sacramento, making plans concrete paving 9 mi. Redding-Bayha Rd., Shasta Co. R. M. Morton, state highway engr.

Calif., Oakland—Plans improving 4th St., 56,174 sq.ft. grading, 53,751 sq.ft. 3 in. warrenite on 4 in. asphaltic concrete. W. W. Harmon, city engr.

Calif., San Bruno—Making plans grading, paving, etc., streets in Huntington Park, 120,000 sq.ft. asphaltic concrete base, warrenite surface, with necessary grading, curbing, storm water conduit and sanitary sewers, etc. G. A. Kneese, Court House, Redwood City, engr.

Calif., San Diego—Plans improving Front and Dickson Sts., 113,075 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, 2,249 sq.ft. concrete sidewalk, 2,952 lin.ft. concrete curb, etc. F. A. Rhodes, city engr.

Calif., San Diego—Rejected bids improving 23,905 sq.yd. Granada Ave., 29th, Dale and Palm Sts., 1½ in. asphaltic concrete on 4 and 5 in. concrete. Will revise plans. F. A. Rhodes, city engr. Noted Nov. 8.

Calif., Watts—Had plans made 6 in. concrete paving 108,090 sq.ft. Randolph St., 108,090 sq.ft. Ruoff St., 72,328 sq.ft. Elm St.; 5 in. concrete paving 71,651 sq.ft. Hickory St. L. D. House, city engr.

Ont., Chatham—Suburban Roads Comn. plans 4 mi. cement highway on Dover Harwich town line, Kent Co. $300,000. A. Clements, chn.

Ont., Peterboro—Plans 3,000 sq.yd. asphalt or concrete pavements with concrete curbs and gutters on George St. $26,683, McDonnell St. $19,795, Water St. $63,240, Aylmer St. $10,712. R. H. Parsons, city engr.

Ont., Toronto—Plans asphalt pavements 11,000 sq.yd. on 2nd St. $6,605, St. Clair Ave. $39,935, 15,000 sq.yd. on Coxwell Ave. $10,000, St. Clair Ave. $41,800, Belhaven Rd. $17,580, Marlborough Pl. $9,800; concrete sidewalks 12,000 ft. 4, 6 and 8 ft. on Hiawatha Rd., Ballenburg, Cranbrooke and Hillsdale Ave. $15,899, 40,000 sq.ft. on Coxwell Ave. $12,700, 5,300 sq.yd. 4-6 ft. on Benson Ave. $1,300; grading Edith Dr. $5,000; concrete curbs on 700 lin.ft. Glendonwynne Rd. $665; concrete pavement on 1,600 sq.yd. lane north of Lappen Ave. $7,500; asphaltic concrete surface on 6,000 sq.yd. Castle Frank Rd. and Elm Ave., $12,-138; asphaltic concrete pavement on 4,500 sq.yd. Glendonwynne Rd., $21,395; asphalt, asphaltic concrete or concrete pavements on 17,000 sq.yd. Chatham Ave. $15,800, Scarboro Rd. $14,300, Front St. $13,300, Hillsdale Ave. $40,500, Division St. $6,300, Beresford Ave. $2,300, lane north of Mansfield Ave. $2,400. R. C. Harris, city engr.

Ont., Toronto—Plans 240,000 sq.ft. 4 ft. 6 in.-8 ft. concrete sidewalks on Bayfield Crescent, Kingsmere and Mt. Pleasant Rds., Lascelles and Milverton Blvds., Marlborough Pl., Coxwell, Gales, 8th, Birdsall, Dundurn, Harris, Rhodes, Pinehurst, Welland and Rosewell Aves., Ardagh, Durie, Annette and Spring Sts., $71,578; 7,000 lin.ft. concrete curbs on Marlborough Pl., Glendonwynne Blvd., Bowmore and Mt. Pleasant Rds., Bingham, 8th and Strickland Aves., $6,000; grading 7th and Welland Sts. and lane between Constance and Marmaduke Sts., $12,-936; asphalt, bitulithic or asphaltic concrete pavements on concrete on Marlborough Pl., Montcrest and Glendonwynne Blvds., Kingsmere, Bowmore, Belhaven, Kingswood, Mt. Pleasant Rds., Coxwell, Golfview, Bingham, 8th, Aldergrove, Pinehurst, St. Clair, Nasmith and Welland Aves., Gifford, Durie, Heath, Pearl and Lexie Sts., $394,-525. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Brooklyn—Nov. 21, by E. Riegelmann, boro pres., Boro Hall, paving Ave. D, Carroll and Crown Sts., repaving 14th and Wilson Aves., sheet asphalt on concrete; Concord St. granite block on concrete; grading, curbing and flagging Ave. D.

North Carolina—Nov. 27, by State Hy. Comn., Raleigh, grading and concrete or asphaltic paving, etc. 24.9 mi. road in Orange, Montgomery, Richmond and McDowell Counties; sand asphalt paving 27 mi. road in Sampson, Brunswick and Moore Counties; topsoiling, sand clay, gravel or grading 76.17 mi. roads in Johnston, Caswell, Lincoln, Stokes, Yadkin, Cherokee and Jackson Counties; 760 ft. bridge Hertford and Gates Counties, 65 ft. bridge Carteret Co., 65 ft. bridge Lincoln Co.; adv. E. N.-R. Nov. 15.

N. C., Raleigh—Dec. 5, by E. E. Culbreth, mayor, and City Comrs., at City Hall, paving, etc., 75,000 sq.yd. various streets, sheet asphalt or other bituminous pavement on concrete or one course concrete. W. C. Olsen, Raleigh, engr.; adv. E. N.-R. Nov. 15.

S. C., Walhalla—Nov. 20, by Oconee Co., 6.4 mi. State Rd. 18, incl. 49,600 cu.yd. common excav., 20,000 cu.yd. topsoiling, etc., also 79 ft. rein.-con. bridge. E. D. Sloan, Court House, Greenville, engr.

Florida—Nov. 27, by State Rd. Dept., Tallahassee, grading, surfacing, etc., 12.42 mi. Project 521, Nassau Co., plain concrete, asphaltic surface on rock; clearing, grading, rock base, etc., 13.59 mi. Project 40-E, Brevard Co., 7.72 mi. Project 604, Volusia Co., 11.33 mi. Project 544B, Pasco Co., 5.68 mi. Project 576, Sarasota Co.; clearing, grading and sand clay surfacing 14.73 mi. Project 571, Madison Co.; rock base on 8.75 mi. Project 544, Pasco Co.; ditching and 6 in. rock shoulders on 0.21 mi. Project 605, Polk Co. J. L. Cresap, state highway engr. Noted Nov. 8.

Fla., Clearwater—Nov. 19, by Pinellas Co., paving, etc., Rds. 1 to 8 inclusive, vitr. brick with bituminous macadam penetration, etc. C. E. Burleson, co. engr. Noted Oct. 11.

Fla., Jacksonville—Dec. 3, by Comrs. Duval Co. constructing approximately 84 mi. permanent roads. C. S. Coe, co. engr.; adv. E. N.-R. Nov. 15.

Fla., Tavares—Nov. 19, Comrs. Lake Co. shell surfacing 10 mi. Rd. H from Paisley to Crows Bluff, South Lake Special Road & Bridge Dist. $25,000. G. E. Heller, Tavares, engr.

Louisiana—Nov. 27, by State Hy. Dept., Reymond Bldg., Baton Rouge, 8 mi. Sect. B, and 7.74 mi. Sect. C State Project 374, Slaighter-Mississippi Highway, East Feliciana Parish; 8 mi. Sect. A and 7.81 mi. Sect. B Federal Aid Project 141, Ferriday-Jonesville highway, also furnishing 9,767 cu.yd. washel gravel and 19,734 cu.yd. 40% sand clay gravel. J. M. Fourmy, ch. engr.

Kentucky—Nov. 27, by State Hy. Dept., Frankfort, paving various roads (**F. A. P. means Federal Aid Project, S. P. State Project**), 10.156 mi. Scottsville-Glasgow Rd., 18 ft., F. A. P. 112, Allen Co., 14.032 mi. Princeton-Marion Highway, 18 ft., S. P. 10, Sect. C, Caldwell Co., 7.212 mi. Princeton-Marion Rd., 18 ft., S. P. 10, Sect. C, Crittenden Co., 17.035 mi. Barboursville-Corbin Rd., 18 ft., S. P. 5, Sect. D, Knox Co., 3.747 mi. Louisville-Bardstown Rd., 20 ft., F. A. P. 50, Sect. B, Jefferson Co., 9.498 mi. London-Mt. Vernon Rd., 18 ft., S. P. 5, Sect. B, Laurel Co., 17.082 mi. Owenton-Georgetown Rd., 14 ft., S. P. 49, Sect. A, Owen Co.; grading 16.628 mi. Somerset-Whitley Rd., 26 and 30 ft., F. A. P. 110, Pulaski Co., 9.5 mi. Richmond-Mt. Vernon Rd., 26 and 30 ft., Madison and Rockcastle Counties, 9.94 mi. Beattysville-Booneville Rd., 24 and 28 ft., S. P. 31, Sect. A, Lee and Owsley Counties, 10.941 mi. Irvine-Beattysville Rd., 24 and 28 ft., S. P. 24, Sect. B, Estill Co.; constructing and surfacing 7.766 mi. Mannington-Crofton Lake Rd., 18 ft., F. A. P. 111, Christian Co. J. S. Boggs, state highway engr.

Ind., Logansport—Dec. 4, by Cass Co., improving Lawrence Nealey et al. Rd., Jefferson Twp., gravel. $34,846. H. M. Gardner, aud.

Ind., Rushville—Dec. 4, by Council, curbing, guttering and paving 10,000 sq.yd. Morgan St., rein.-con., brick, bituminous concrete and wood block types. $35,000-$60,-000. A. L. Stewart, city engr.

Michigan—Nov. 20, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 53-3 and 38-7, Sanilac Co., 21,903 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rogers, state comr.

Illinois—Nov. 22, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 168.67 mi. with portland cement concrete, 4 in. monolithic brick, 4 in. bituminous filled brick, bituminous concrete with or without binder course. Cement will be furnished. Grading 25.76 mi. involving 385,632 cu.yd. excav. and 2,328 cu.yd. concrete. C. H. Older, ch. highway engr.

Ia., Jefferson—Nov. 20 by Auditor Greene Co., gravel surfacing 16.916 mi. Primary Rd.; paving and incidental work on 0.95 mi. Primary Rd. east and west of here, 6,245 cu.yd. earth excav., 10,928 sq.yd. concrete pavement, 16.667 mi. Primary Rd., 77,989 cu.yd. excav., 175,755 sq.yd. concrete, 104,492 ft. tile drain, etc. Iowa Hy. Comn., Ames, engrs.

Tex., Ennis—City Com. taking bids and opens same about Nov. 17 paving 57 blocks McKinney, Decatur, Dallas, Baylor, Knox, Main and Ennis Sts., bituminous brick, etc. $125,000. H. McCanless, city engr.

Tex., Houston — City Com. taking bids paving North Main St. from Houston St. to city limits, bituminous of various types. $30,000. J. C. McVea, city engr.

Tex., Marlin—Falls Co. taking bids grading and concrete, surfacing 1.8 mi. State Highway from Eddy to country line. $50,000. J. P. Wehrung, Chilton, engr. Noted Nov. 15.

Tex., Vernon—Nov. 27, O. T. Warlick, judge Wilbarger Co., concrete surfacing 38,255 sq.yd. State Highway 5, incl. 116.860 lb. reinforcing. $105,000 incl. engineering and contingencies. J. B. Nabors, co. engr.

Wash., Seattle—Nov. 26, by Comrs. King Co., grading and graveling 1.4 mi. Auburn Pierce County Rd., 28,683 cu.yd. borrow, 32,449 cu.yd. embankment. $25,000. T. R. Beeman, co. engr.

California—Nov. 26, by State Hy. Comn., Sacramento, grading and gravel surfacing 3.9 mi. road between Westmoreland and point 4 mi. west, Imperial Co. R. M. Morton, state highway engr.

Calif., El Centro—Receiving bids improving various streets, 156,000 sq.ft. asphaltic concrete pavement, 4 in. base, 2 in. surface, 391,000 sq.ft. concrete pavement, 3½ in. base, 1½ in. surface, 30,000 lin.ft. cement curb, etc. F. C. Dyer, city engr. Noted Nov. 1.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, paving Clarkson Ave., asphalt, from Borough Asphalt Co., 1301 Metropolitan Ave., $32,001; repaving 2nd Ave., granite block, from Leonard Paving Co., 233 Bway., New York, $88,262; grading, curbing, flagging, paving and repaving Sheepshead Bay, asphalt, from Cranford Co., 52 9th St., $70,086. Noted Nov. 1.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Nov. 5, repaving Richmond Ave. and St. Marks Pl., bituminous macadam, from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $40,874 and $7,810 respectively. Noted Nov. 1.

Pa., Phila.—Dept. Pub. Wks., City Hall, paving from Barber Asphalt Paving Co., 239 North 30th St., Emlen Ave. $5,410,

Streets and Roads (Continued)

Kingsessing Ave. $12,785, Ruscomb St. $4,914, 15th St. $12,759, 65th Ave. $8,634. Noted Nov. 1.

Tex., Amarillo—Potter Co., grading and gravel surfacing 6.13 mi. Bushland Rd., State Highway 13, Federal Aid Project 430, 16 ft., 95.5 cu.yd. concrete, 44,108 cu.yd. roadway, 22,032 cu.yd. borrow, 2,099 lb. reinforcing, 220,149 cu.yd. gravel, from Hoffman Constr. Co., Eastland, $49,517. Engrs. est. $65,000. Noted Oct. 25.

Tex., Hondo—Medina Co., grading and gravel surfacing 2.65 mi. State Highway 3, Federal Aid Project 270 E, 427 cu.yd. concrete, 14,104 cu.yd. roadway and 17,861 cu.yd. borrow excav., 36,197 lb. reinforcing, 7,728 cu.yd. gravel, (no bids received for bituminous topping) and grading gravel surfacing and bituminous topping 1.56 mi. State Highway 3, Federal Aid Project 270 B, 374.8 cu.yd. concrete, 13,649 cu.yd. roadway, 7,126 cu.yd. borrow excav., 14,884 cu.yd. bituminous macadam, 33,874 lb. reinforcing and 71,290 lb. structural steel, from P. Schriever, Seguin, $26,540 and $24,491 respectively. Engrs. est. $47,265 and $38,842 respectively. Noted Oct. 11.

Wash., Kelso—City Council, Nov. 1, paving 8,700 sq.yd. Main St. in West Kelso, one course concrete, from Lindberg, Avidso & Laird, Kelso, $25,003. Engrs. est. $25,500.

Wash., Seattle—Bd. Pub. Wks., paving Avalon Way, from Goetz & Brennan, Seaboard Bldg., 41,144 sq.yd. 7 in. concrete $2, 15,550 sq.yd. 6 in. concrete $1.80, 4,532 lin.ft. asphaltic concrete curbing $0.65, 21,850 lin.ft. concrete curbing $0.35, 105,000 cu.yd. earth excav. $0.61, etc., total $294,808 (with clay) and $294,400 (with concrete). Noted Nov. 1.

California—State Hy. Comn., Sacramento, surfacing 2 mi. road from south of Weaverville to Tom Long Gulch, Trinity Co., 17,200 cu.yd. broken stone or gravel, from Englehart Paving & Constr. Co., Eureka, $68,800. Noted Oct. 11.

Calif., Bakersfield — Grading, curbing, paving, etc., portions 21st and 4th Sts., etc., 220,375 ft. grading, 220,375 ft. 3½ in. asphaltic concrete base with 1½ in. warrenite surface, 11,829 ft. concrete gutter, etc., from Union Paving Co., Call Bldg., San Francisco, $73,003. Noted Nov. 8.

Calif., Fresno — Improving Fresno Ave. between Olive and Belmont Sts., 139,358 sq. ft. 6 in. concrete pavement, 161,496 sq.ft. grading, 18,247 sq.ft. walks, 2,445 lin.ft. curb, etc., from W. F. Hanrahan, Brix Bldg., $43,199. Noted Oct. 11.

Calif., Los Angeles—Bd. Pub. Wks., paving Denison Ave., 144,800 sq.ft. 5 in. concrete, 6,275 ft. curb, 36,081 sq.ft. walks, etc., from Griffith Co., Los Angeles Ry. Bldg., $51,952.

Calif., Los Angeles—Bd. Pub. Wks., paving, curbing, etc., Melrose Ave., 180,090 sq. ft. 6 in. bituminous, 9,510 ft. curb, 646 sq. ft. warrenite bitulithic, 3,278 sq.ft. bituminous base, etc., from G. R. Curtis, 2440 East 26th St., $71,256. Noted Oct. 25.

Calif., Newport Beach—Improving Ocean Blvd., etc., 147,644 sq.ft. 6 in. clay and gravel, 16,680 sq.ft. 5 in., 152,080 sq.ft. 6 in. and 212,354 sq.ft. 8 in. concrete pavement, 20,200 lin.ft. concrete curb and 101,767 sq.ft. concrete walks, etc., from California Constr. Co., Union Bldg., San Diego, $276,506. Noted Oct. 18.

Calif., Redwood City—Supervs. San Mateo Co., improving various streets in Lomita Park, from Municipal Impvt. Co., 306 12th St., Oakland, 16,000 cu.yd. excav. $1.85, 542,900 sq.ft. pavement, 4 in. concrete base, 1½ in. warrenite bitulithic surface, $0.314, 942 ft. 18 in. vitr. storm sewer $2.85, 5,400 ft. 4 in. vitr. laterals $1.59, etc., total $211,491. Noted Oct. 25.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, laying sidewalk, etc., on 101st (Jerome) Ave., to Sicilian Asphalt Paving Co., 241 Park Row, New York, $110,020. Noted Nov. 8.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing, laying sidewalks, etc. on Davidson Ave., to C. D. Beckwith, Inc., 2875 Bway., $15,485; West 195th St., to F. Hanratty, 605 Beach Terrace, $8,447; grading, building inlets, basins and drains in Golden Ave., to I. F. Cavaluzzo, 1538 Walton Ave., $23,317; 25,000 gal. road surfacing material, to Barrett Co., 17 Battery Pl., $4,125. Noted Nov. 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving 49th St., sheet asphalt, to W. J. Fitzgerald, 547 West 45th St., $20,110, Tiemann Pl., sheet asphalt, to Brusstar Constr. Co., Harlem River and 150th St., $10,089, Dyckman St., granite block, to Asphalt Constr. Co., 208 Bway., $52,248; widening and repaving 56th St., sheet asphalt to Cleveland Trinidad Paving Co., Flushing, $28,322, 60th St., sheet asphalt, to Sicilian Asphalt Paving Co., 41 Park Row, $53,858, 58th St., stone filled sheet asphalt, to Uvalde Asphalt Paving Co., 1 Bway., $24,989. Noted Oct. 25.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Sea Ave., bituminous concrete, to J. W. Donovan, 2205 Richmond Terrace, Port Richmond, $39,910, Center and Moore Sts., concrete, to J. Johnson Sons, 455 Bway., West New Brighton, $21,598; concrete sidewalks on Curtis Ave., to Arco Constr. Co., 31 Nassau St., New York, $4,844; grading Shaughnessy Lane, to J. Kelly, 1150 Forest Ave., West New Brighton, $6,731. Noted Oct. 18 and 25.

Pa., Ebensburg — Paving 1 mi. Dunlo-Salix Rd. Extension, brick on concrete, Adams Twp., to McClure & Bingner Co., Swank Bldg., Johnstown. Engrs. est. $30,000.

Pa., Phila.—Dept. Pub. Wks., City Hall, asphalt pavements to Eastern Paving Co., Colonial Trust Bldg., on Camac, Iseminger and 12th Sts., $6,715; Warrington Ave. $6,632; to Barber Asphalt Paving Co., 239 North 30th St., asphalt pavement on Lee and Viola Sts. $1,265 and $3,088 respectively; to Municipal Paving Co., 632 Kate St., repaving with granite block Delaware Ave. $3,668; to Brown-King Constr. Co., Commercial Trust Bldg., reconstructing bridges $18,075; to Penna. Steel Export Co., G and Venango Sts., furnishing material for repairing bridges $2,685; to Richards Kelly Co., 349 North 57th St., furnishing 1,000 tons crushed stone $2.87; to West Jersey Sand & Supply Co., Beach and Marlboro Sts., 3,500 cu.yd. 1:3:6 ready mixed concrete $8.60; to Robbins Contg. Co., 1137 North Front St., constructing ramp for ash dumping platform at Green St. Wharf $7,307.

Fla., Tavares—Lake Co., sand clay surfacing 10.08 mi. Group "C" and 25.25 mi. Group "B" South Lake Special Road & Bridge Dist., to Bryson Live Stock Co., 1418 West Church St., Jacksonville, $32,086 and $150,205 respectively; 12.18 mi. Group "D" and 14.55 mi. Group "E" South Lake Co. Special Road & Bridge Dist., to Barnes & Smith, Bushnell, $38,460 and $59,941 respectively.

Miss., New Albany—Union Co. grading and gravel surfacing 8.812 mi. Federal Aid Project 122, to Boddie Constr. Co., Ellisville, 17,525 cu.yd. common excav. $0.35, 11,882 cu.yd. borrow excav. $0.36, 208.2 cu. yd. concrete $26, 15,998 cu.yd. gravel 1 mi. haul $0.88, 25,332 units gravel overhaul $0.18, etc. Noted Oct. 4.

Michigan — State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 51-2, 4.731 mi. Sect. A to Marsman & Taber, 211 Ashton Bldg., Grand Rapids, 49,866 sq.-yd. 8 in. concrete pavement $1.57, etc., total $82,276; 3.962 mi. Sect. B to P. W. O'Conner & Son, 250 Charles Ave., S. E., Grand Rapids, 39,947 cu.yd. excav. $0.64, 41,758 sq.yd. 8 in. concrete pavement $1.45, 421.2 cu.yd. concrete $17, etc., total $97,298. Noted Oct. 18.

Kan., Oberlin — Decatur Co., 9.602 mi. earth road, Federal Aid Project 165, Sect. A, to G. F. Bump, Prairie View, $50,165.

Wyoming—State Hy. Dept., Cheyenne, gravel surfacing 8.8 mi. Federal Aid Project 49, Lincoln Highway from Thayer Junction to Point of Rocks, 24 ft., Sweetwater Co., to Tyler & Baker, Rock River, $41,200; grading 35.4 mi. Federal Aid Project 158, Kemmerer-Marbleton Rd., 20 ft., Lincoln and Sublette Counties, to Utah Constr. Co., Eccles Bldg., Ogden, Utah, $147,449. Noted Nov. 1.

Mo., Hayti — Graveling, etc., various streets, to Morgan & Little, Hayti, $25,136.

Ark., Little Rock—Comrs. Pulaski Rd. Impvt. Dist. 10, grading and graveling 11 mi. Perryville Rd., to Oliver Constr. Co., 322 West Markham St. Bids rejected paving West Markham and Victory St. Noted Sept. 27.

Ark., Morrilton — Impvt. Dist. 4, incl. 11,900 sq.yd. 2 in. asphaltic concrete on 5 in. concrete, 9,300 ft. curb and gutter, etc., to Mobley Constr. Co., Morrilton. Engrs. est. $42,500. Noted Sept. 13.

Tex., Beaumont—Paving Emma, Magnolia and Victoria Sts., 2½ in. cold rolled rock asphalt on shell base, and 15,000 sq. yd. grade B cold rolled Uvalde rock asphalt 1 in. top on 5 in. concrete, to Uvalde Rock Asphalt Co., Beaumont, $2.20 per sq.yd. Noted Oct. 25.

Tex., Centerville—Leon Co. grading D C D Highway, to W. L. Sanders, Cooledge, $38,000. Noted Oct. 4.

Tex., Dallas — Paving with Willite asphaltic concrete 2 in. top on 6 in. concrete 137,058 sq.yd. Marlborough, Bannock, Montreal, Velasco, Thomas, 8th, 2nd, Euclid, Edgefield, Spencer, Lewis, Colonial, Central, Pine, Beacon and Tyler Sts., to Fuller Constr. Co., Slaughter Bldg., $2.94 per sq.yd., total $455,697. Noted Nov. 1.

Tex., Hemphill—Sabine Co. grading, gravel surfacing and bridging 7.19 mi. State Highway 21, Federal Aid Project 357-B, 195.7 cu.yd. concrete, 53,426 cu.yd. roadway and 16,354 cu.yd. borrow excav., etc., to E. M. Wood, Royse City, $60,003, 14,911 cu. yd. local gravel to be furnished by county, engrs. est. $67,650; 8.38 mi. State Highway 8, Federal Aid Project 327-A, 141.2 cu.yd. concrete, 35,826 cu.yd. roadway and 80,351 cu.yd. borrow excav., etc., to George & Kerr, Lufkin, $65,394, 12,843 cu.yd. gravel to be furnished by county $18,000, engrs. est. $90,000. Noted Nov. 1.

Tex., Palo Pinto—Palo Pinto Co. grading and surfacing with gravel sledged stone and crushed stone and bridging 15.47 mi. State Highway 1, Federal Aid Project 382, 18 ft. and 3.37 mi. State Highway 1, Federal Aid Project 383, 18 ft., to McClung Constr. Co., Cleburne, $200,847 and $24,258 respectively, engrs. est. $262,200 and $60,254 respectively. Gravel to be furnished by county. Noted Nov. 8.

Oklahoma—State Hy. Dept., Oklahoma City, grading and paving with Bates type concrete 1.63 mi. road in Creek Co., Federal Aid Project 88, 17,213 sq.yd. concrete, 6,575 cu.yd. excav.; also 3.64 mi. road from Ottawa to Commerce, 38,440 sq.yd. asphalt, 1,800 cu.yd. excav., to General Contg. Co., Herskowitz Bldg., Oklahoma City, $54,169 and $85,315 respectively. Noted May 3.

Oklahoma — State Hy. Dept., Oklahoma City, grading and paving 11.57 mi. road East of Pawnee, Federal Aid Project 85, Pawnee Co., 122,000 sq.yd. gravel, 47,500 cu.yd. excav., to McCoy & Son, Pawnee, $144,974.

Okla., Edmond—Grading and paving 17 blocks Jackson, 4th and Lincoln Sts., 17,809 sq.yd. concrete, 7,200 lin.ft. curbing, 5,150 cu.yd. excav., to Greene Beekman Co., 1st Natl. Bank Bldg., Oklahoma City, (6 in. concrete paving $2.50 per sq.yd., excav. $0.55 per cu.yd.) etc., total $57,631.

Okla., Oklahoma City—Grading and pav-5 blocks 4th St., 9,860 sq.yd. asphalt, 4,600 lin.ft. curbing, etc., to Western Paving Co., Tradesmens Bldg., $52,836.

Wash., Everett—City Council, concrete paving 5 blocks Rockefeller Ave. from Hewitt to 33rd St. to E. Wahl & Co., Everett, $25,874.

Calif., Fresno—Improving McKinley Ave., 182,530 sq.ft. grading, 144,798 sq.ft. asphalt pavement, 12,958 ft. gutter, 25,132 ft. walks, 6,898 ft. curb, etc., to W. F. Hanrahan, Brix Bldg., $59,890. Noted Oct. 25.

Calif., Inglewood — Improving streets in Fairview Heights Dist. 4, 573,720 sq.ft. grading, 115,590 sq.ft. 6 in. concrete, 106,550 sq.ft. 2 in. macadam, 98,050 sq.ft. walks, 21,660 lin.ft. curb, etc., to J. L. McLain, Inglewood, $91,950. Noted Nov. 1.

Calif., Los Angeles—Bd. Pub. Wks., grading and paving Vermont and Western Aves., to G. R. Curtis, 2240 East 26th St., 180,090 sq.ft. 6 in. bituminous pavement $0.2275, 9,512 ft. curb $0.65, 44,710 sq.ft. walks $0.20, 10,800 sq.ft. gutter $0.30, grading $7,500, total approximately $71,255; Denison Ave. to Griffith Co., Railway Exch., grading $7,311, 114,880 sq.ft. concrete pavement incl. bituminous base $0.213, 6,275 lin. ft. curb $0.70, 36,081 sq.ft. walks $0.21, sanitary sewer $1,350, 5,075 lin.ft. sewers $1.35, total $51,951.

Calif., San Diego—Improving 13,550 sq. yd. Ray, Dwight and Wightman Sts., 1½ in. asphaltic concrete on 4 and 5 in. concrete, to G. R. Daley, 4430 Boundary St., $29,995. Noted Nov. 8.

Calif., San Francisco — Curbing, paving and laying sewers in Buchanan St. between Herman and Duboce Aves., to J. D. McElroy, 180 Jessie St., $29,022; Jamestown St. between 3rd and Ingalls Sts., etc., to C. B. Eaton, 715 Ocean Ave., $20,077. Noted Oct. 4.

Calif., Stockton—San Joaquin Co. to C. Moreing, Commercial and Savings Bldg., improving 2.5 mi. Harney Lane Rd., 3,000 cu.yd. grading, 7,300 ton rock, etc., 4 mi. Farmington Rd., 7,500 cu.yd. grading, 9,650 ton gravel, etc., and 1.5 mi. Fairchild Lane, 2,700 cu.yd. grading, 4,220 ton gravel, $23,951, $16,691 and $11,562 respectively; to Hutchinson Co., 1706 Bway, Oakland, furnishing 2,75[illegible] cu.yd. gravel for road work, f.o.b. cars Holt Station, $5,238.

Streets and Roads (Continued)

Calif., Stockton — San Joaquin Co. improving Naglee-Burk Highway, 7,500 cu.yd. grading, 10,872 tons gravel or 9,227 tons crushed rock, from Irey & Holden, Lodi, $29,205.

Calif., Ventura — Ventura Co., grading and paving Paula Ojai Rd., to Southwest Paving Co., Washington Bldg., Los Angeles, 6,000 cu.yd. excav. $0.65, 21,765 ft. rolling $0.20, 348,224 sq.ft. 5 in. asphaltic concrete paving $0.178, etc., total $70,235. Noted Oct. 11.

Industrial Works

PROPOSED WORK

Mass., Cambridge—(Branch of Boston)—J. F. Linckman, 33 Edinboro St., Boston, having plans prepared by Brainerd & Leeds, 89 Franklin St., Boston, and takes bids early in winter, 5 story and basement, 100 x 150 ft. factory, rein.-con. and brick, wood pile foundation, here. $300,000.

Mass., Southbridge — Hamilton Woolen Mills plan 3 story, 50 x 150 ft. brick addition to mill.

Conn., New Britain — Landers Frary & Clark, Commercial and Center Sts., had plans prepared by M. J. Unkelbach, Main St., 6 story, 65 x 160 ft. factory, brick and steel, plain foundation, Ellis St. $100,000.

Conn., New Britain—M. Zucker, 516 Main St., having plans prepared by G. Zunner, 182 High St., Hartford, 3 story, 30 x 70 ft. storage house, brick and steel, plain foundation. $50,000.

N. Y., Geneva—O'Malley Motor Co., 347 Exchange St., plans rebuilding garage and service station, recently destroyed by fire. $100,000.

N. Y., Peekskill—Union Stove Wks. plans rebuilding plant, recently destroyed by fire. $500,000.

N. Y. Seneca Falls—Seneca Rug. Co., Inc., plans rebuilding factory. $60,000.

Pa., Erie—Erie Steam Shovel Co. having preliminary plans prepared by Osborn Eng. Co., 7016 Euclid Ave., Cleveland, O., 1 story, brick and steel factory, to exceed $40,000.

Pa., Phila.—J. J. Greenberg, Morris Bldg., having plans prepared by L. B. Rothchild, 215 South Broad St., 6 story and basement, rein.-con. and brick warehouse, plain foundation, 6,000 sq.ft. floor space, 30th and Walnut Sts. $200,000.

Pa., Phila.—Hardwick & Magee Co., 1220 Market St., having revised plans prepared by Ballinger Co., 12th and Chestnut Sts., plant here. Former bids rejected. Noted Sept. 20.

Md., Baltimore—E. H. C. Browne, archt., Equitable Bldg., soon lets contract 2 story, 25 x 104 ft. garage and office, concrete and brick, plain foundation, 423 Exchange Pl., for H. Gamse & Bros., 421 Exchange Pl. $40,000.

W. Va., Huntington—Fesenmeier Packing Co., West 14th St., plans addition to ice and cold storage plant, brick, 14th St., $40,000. E. F. Glaser, 2841 Madison Rd., Cincinnati, O., archt.

W. Va., Keyser — Potomac Pottery Co., Keyser, plans 1 story addition to plant. $40,000.

N. C., North Wilkesboro—See "Waterworks."

Ala., Birmingham — Southern R.R. Co., 13th St. and Pennsylvania Ave., Wash., D. C., plans to construct and equip shops at Findley Yards, here, for building and rebuilding railroad cars. Will take place of one destroyed by fire at Gadsden. $1,000,000.

Tenn., Chattanooga—See "Unclassified."

Tenn., Nashville—See "Buildings."

O., Cincinnati—H. Belmar Co., 628 West 3rd St., having plans prepared by O. H. Bardon, 1051 Overlook Ave., 3 story, 65 x 108 ft., brick warehouse. $60,000.

O., Mount Sterling—See "Waterworks."

Ind., Connersville—Connersville Automobile Dealers Assn. plans repair shop. $65,000.

Ind., Indianapolis—W. J. Holliday & Co. having plans prepared by J. C. Troyer, engr., c/o owner, 300 x 400 ft. warehouse, and 3 story and basement office, 600 Block on West McCarty St. Will build substructure late fall, superstructure about Mar. 1.

Mich., Detroit — Consolidated Bakeries Co., c/o R. R. Pereira, archt., 333 State St., had plans prepared by R. R. Pereira, 333 State St., 2 story and basement, 60 x 118 ft. brick and steel plant, plain foundation, McClellan Ave. $75,000.

Mich., Detroit—C. H. Koerber, 200 McLean Ave., having plans prepared by S. E. Remey, 1140 Griswold St., 1 story, 100 x 200 ft. brick and steel garage, plain foundation, Woodward and Stevens Aves. $50,000.

Mich., Kalamazoo—Kalamazoo Vegetable Parchment Co., River Rd., having plans prepared by Billingham & Cobb, 404 Press Bldg., 1 story, 100 x 200 ft. rein.-con. and brick plant, River Rd. $80,000.

Ill., Chicago—Florsheim Shoe Co., 3927 Belmont St., plans addition (150,000 sq.ft. floor space). $700,000.

Ill., Chicago—Howard Building Corp., c/o Leichenko & Esser, archts., 140 South Dearborn St., plans 3 story, 100 x 160 ft. warehouse, fireproof, Randolph and Morgan Sts. $500,000.

Ill., Chicago—Nugent Electric Steel Casting Co., 3100 South Wood St., plans 2 story, (ultimately 3 story), 40 x 120 ft. storage building, fireproof. $70,000. F. D. Chase, Inc., 645 North Michigan Ave., archt.

Ill., Madison—Amer. Car and Fdry. Co., Jeffersonville, Ind., plans foundry, here. $85,000.

Ill., Mowequa — Having preliminary plans prepared by Holbrook, Greeley & Hanson, engrs., Decatur, oil engine plant, generators, switchboard, transmission lines, etc., here. $75,000.

Wis., East Troy—Brown & O'Malley Co. plans 2 story and basement, 48 x 80 ft. rein.-con., brick and steel garage, plain foundation, Main and Brown Sts. $40,000. Architect not selected.

Wis., Madison—Fox Motor Car Co., c/o C. W. Fox, 107 East Doty St., plans 2 story, 60 x 95 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, University St. $40,000. Engineer and architect not selected.

Minn., Minneapolis — Bureau of Engraving, 500 South 4th St., having plans prepared by Magney & Tusler, 126 South 9th St., 3 story and basement, rein.-con., brick and tile factory, store and school, 5th Ave. S. and 4th St. $100,000.

Kan., Kansas City—See "Unclassified."

Kan., Kansas City—P. W. White, Pittsburg, plans 1 story marble works, rein.-con., stone and brick, here. $100,000. Private plans.

Mo., St. Joseph — St. Joseph Light & Power Co. plans new power plant. $2,000,000. Engineer and architect not selected.

Tex., Abilene—C. W. Clark plans 1 story, 50 x 140 ft., brick laundry, Pine and 5th Sts. $40,000. Engineer and architect not announced.

Tex., Beaumont—Eastern Texas Electric Co. plans 2 story, 80 x 100 ft., brick and concrete power plant and distributing station. $40,000-$50,000. Private plans.

Tex., Dallas—E. P. Fisher, 2428 South Harwood St., having plans prepared by Flint & Broad, Andrews Bldg., 1 story, brick warehouse, Harwood and Santa Fe Sts. $100,000.

Tex., Dallas—B. E. Keith Co., 2018 Cadiz St., soon takes bids 3 story and basement, 90 x 105 ft., brick and concrete warehouse, etc., Preston and Cadiz Sts. $175,000. C. A. Moore, Minneapolis, Minn., engr. Noted July 10.

Tex., Houston—Magnolia Macaroni Mfg. Co., San Felipe St., plans 2 story, brick and concrete factory. $40,000. Engineer and architect not announced.

Tex., Texas City—Pierce Oil Corp. takes bids before Jan. 1 rebuilding and equipping refinery. $200,000. Private plans.

Calif., Claremont — Amer. Crushed Rock Co., Amer. Bank Bldg., Los Angeles, plans rock crushing plant, here. Cost incl. equipment $100,000.

Calif., Fresno—Benham Ice Cream Co., 1420 H St., having plans prepared by Trewhitt-Shields (archts. and contrs.), Rowell Bldg., 3 story, rein.-con. warehouse addition, H St. $60,000.

Calif., Los Angeles—Los Angeles Warehouse Co., 316 Commercial St., having plans prepared by A. C. Martin, Higgins Bldg., 10 story and basement, 100 x 190 ft. warehouse, rein.-con., San Pedro and Commercial Sts. $500,000.

Calif., Los Angeles—Los Angeles Warehouse Co., 316 Commercial St., having plans prepared by A. C. Martin, Higgins Bldg., 4 story, 125 x 175 ft., rein.-con. warehouse, Market and Alameda Sts. $250,000.

Calif., Los Angeles—Meier & Bounetheau, archts., Title Insurance Bldg., preparing plans 1 and 2 story, 200 x 350 ft. factory, rein.-con. $150,000. Owner's name withheld.

Calif., Los Angeles — Weber Show Case Co., 316 South Los Angeles St., having plans prepared by Walker & Eisen, Pacific Finance Bldg., 1 story, brick and steel factory, approximately 250,000 sq.ft. floor space, Slauson Ave. Noted Oct. 18.

Calif., Los Angeles—O. H. Neher, archt., Marsh-Strong Bldg., receiving bids 1 story, 85 x 150 ft. bakery, brick, Kearney and Clarence Sts., for Mama Cookie Bakery, 3554 Griffith St.

Calif., Merced — California Chain Stores Co., 355 South Bway., Los Angeles, plans condensery, here. $100,000.

Calif., Sacramento—Russell & Macauley, 426 J St., plan warehouse, B St. First unit $50,000.

Que., Chicoutimi—See "Dams."

Que., Lachine Rapids — Montreal Light, Heat & Power Co., Craig St. W., Montreal, plans new power house here for developing 100,000 hp. $2,000,000. R. M. Wilson, ch. electrical engr.

Ont., Cornwall—Courtlands Ltd. of London, England, having plans prepared by C. R. Tetley, 314 Beaver Hall Hill, Montreal, Que., and takes bids about Nov. 30, various factory buildings. $1,000,000.

Ont., Galt—P. W. Gardiner & Son, (owners and engineers), plan factory. $100,000.

Ont., St. Davids—Dominion Canners plan to rebuild plant recently destroyed by fire. $200,000. Private plans.

Ont., Welland—Gram Bros. having plans prepared 2 story fireproof garage, East Main and Burgar Sts. $40,000.

BIDS DESIRED

Md., Baltimore — Nov. 20, by Rennous Kleinle Div. of Pittsburg Plate Glass Co., 3221 Frederick Ave., 5 story, 100 x 100 ft. factory, concrete and brick, plain foundation, 3221 Frederick Ave. $100,000. Wight & Lockhart, Munsey Bldg., archts.

Fla., Tampa—Dec. 11, by City Comn., 75 x 694 ft. warehouse at City Docks. A. W. D. Hall, Box 2736, engr.; adv. E. N.-R. Nov. 15.

Mich., Detroit — Raseman & Freier, archts., 1302 Penobscot Bldg., taking bids and opens same about Nov. 15, 3 story and basement, 60 x 150 ft. rein.-con. and brick factory, plain foundation, Franklin St., for Capitol Brass Co., 2306 Franklin St. $100,000.

Wis., Madison—G. Ripp, 20 South Bassett St., taking bids 2 story, 40 x 60 ft. mill and wood working shop, rein.-con., brick and tile, plain foundation, Main St. $40,000. Private plans.

Tex., Elgin—Elgin Light & Power Co. taking bids power plant, concrete. $500,000. Private plans.

Calif., Los Angeles—Monaco & Bordeaux, Bank of Italy International Bldg., receiving bids 1 story, 100 x 150 ft., brick garage, Hoover and 11th Sts., for J. Green, 1758 North Spring St.

Calif., Los Angeles—Southern Pacific Ry. Co., 5th St. and Central Ave., receiving bids 1 story, 80 x 500 ft., (52 ft. high), locomotive erecting shop, brick and steel, with 24 engine pits, equipped with two 15 ton and one 200 ton traveling cranes. To exceed $300,000. G. W. Boschke, 65 Market St., San Francisco, ch. engr. Noted July 12.

BIDS RECEIVED

N. Y., Palmyra — E. S. Walsh, comr. Canals & Waterways, Albany, Nov. 8, completing new power station, Lock 29, here, Contr. 193, from T. H. Ryan, Inc., 184 Cleveland Ave., Buffalo, $59,529. Engrs. est. $62,949. Noted Oct. 11.

N. Y., Vischers Ferry—E. S. Walsh, comr. Canals & Waterways, Albany, superstructure of power house and work incidental thereto, at dam, here, Contr. B-4, from McCann Building Co., Sheridan Ave. and Dove St., Albany, $143,567. Engrs. est. $122,568. Noted Oct. 25.

CONTRACTS AWARDED

Conn., Bristol—Truden & Platt, Inc., 67 Prospect St., 1 story, 60 x 70 ft. garage and office, fireproof, to L. A. Miller, 22 Church St., Meriden. Archts. est. $40,000. Noted Oct. 11.

Conn., Buckland—Wapping Manchester Warehouse Co., Manchester, 3 story, 80 x 145 ft. warehouse, steel and brick, plain foundation, here, to E. W. McCoy, Glastonbury. Archts. est. $80,000.

Conn., Hartford—S. Kaplan, 105 Windsor Ave., 1 story and basement, 60 x 100 ft. garage, brick and steel, plain foundation, to Southern New England Contg. Co., 703 Main St. Archts. est. $40,000. Noted Apr. 26.

Industrial Works (Continued)

Conn., Thompsonville—Bigelow Hartford Co., 58 Main St., 4 story, 140 x 2.0 ft. factory brick and steel, plain foundation, to Locke & Sons, Lawrence. Archts. est. $70,000. Noted N. Y. 8.

N. Y., Brooklyn—Cordial Realty Co., c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., will build rein.-con., brick and steel garage, plain foundation, Pitkin Ave., by day labor. $60,000.

N. Y., Linoleumville (Staten Island P. O.)—Amer. Linoleum Mfg. Co., rein.-con. and steel power plant, plain foundation, to Wilbur G. Hudson Corp., 50 Church St., New York. Archts. est. $100,000.

N. J., Morsemere—Barclay & Co., 1 story, 45 x 76 ft. powerhouse, to John W. Ferguson Co., 253 Bway., New York City, and 152 Market St., Paterson.

Pa., Phila. — L. Rothschild, archt., 215 South Broad St., 1 story garage, Carlisle Ave. near Montgomery Ave., to Kober Constr. Co., 34 South 17th St., for L. Friedman, 251 South 15th St., $97,600. Noted Oct. 18.

Pa., Sharpsburg (Pittsburgh P. O.) — Pennsylvania R.R., Union Sta., Pittsburgh, 1 story, round house and machine shop, here, to J. F. Casey Co., Union Arcade, Pittsburgh.

N. C., Andrews—Town hydro electric power house, dam and 11 mi. transmission lines, to Tucker & Lexton, Realty Bldg., Charlotte, $230,000; equipment to General Electric Co., 120 Bway., New York, $50,000; waterwheels, to S. Morgan Smith Co., York, Pa., $20,000. Noted Oct. 4.

N. C., Greensboro — Greensboro Daily News, 3 story and basement, 50 x 174 ft. newspaper plant, Davie and Gaston Sts., to J. L. Crouse, Greensboro, $150,000.

Ky., Louisville—Beha Laundry Co., 813 Clay St., 2 story, 60 x 100 ft., brick laundry, Breckenridge and Underhill Sts., to J. B. Miller, 1628 Edenside Ave. Est. cost $40,000.

Ky., Murray—Dark Tobacco Growers Co-operative Assn., Hopkinsville, 1 story, brick and frame warehouse, to A. Baily & Co., Chapel Hill, Tenn., $40,000. Noted June 14.

O., Cleveland—B. Ris, c/o A. N. Ferguson, archt., 12821 Phillips Ave., 2 story, 40 x 156 ft., brick and steel factory, 3035 St. Clair Ave., to Super-Built Constr. Co., Union Bldg. Archts. est. $60,000.

O., Cleveland—White Motor Co., 824 East 79th St., 1 story, 100 x 100 ft., brick factory, to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $60,000. Noted Oct. 25.

O., Lima — Lima Glass Co., Pearl and Union Sts., new plant, to Green & Sawyer, Lima, $50,000.

O., Lorain—Amer. Stove Co., 4301 Perkins Ave., Cleveland, 1 story, 65 x 195 ft. shop and factory, 1 story, 82 x 110 ft. japanning building, and 1 story, 50 x 82 ft. warehouse, brick and steel, here, to P. J. Hume, Lorain. Archts. est. $150,000.

Mich., Detroit—Buhl Sons, Adair St., 1 story, 132 x 180 ft. brick and steel garage, plain foundation, Wright and River Sts., to Talbot & Meier, 206 Owen Bldg. Est. $55,000.

Mich., Detroit—Cadillac Motor Car Co., 2060 Clark Ave., 1 story, rein.-con., brick and steel foundry buildings, plain foundations, (3 units), Clark Ave., to A. A. Albrecht Co., 1130 Penobscot Bldg. Engrs. est. $350,000.

Ill., Chicago—V. A. Hackel, 6827 Creiger Ave., 1 story, 150 x 190 ft. garage, fireproof, 7221-39 Exchange Ave., to Turnquist Bros. Constr. Co., 217 East 67th Pl. Archts. est. $65,000. Noted Nov. 1.

Ill., Quincy — Michaelman Steel Co., Quincy, 3 and 4 story foundry and warehouse, rein.-con. and brick, to Buerkin & Buerkin, 721 Main St. Archts. est. $100,000.

Wis., Arpin—J. Ganzley will build 2 story, 40 x 60 ft., concrete and tile creamery, plain foundation, by day labor. $40,000.

Wis., Ashland—Ashland Daily Press, 321 West 3rd St., 2 story and basement, 64 x 100 ft., brick and concrete newspaper plant, plain foundation, to C. Bloss, 901 4th St. Archts. est. $55,000. Noted Sept. 27.

Wis., Beloit—E. R. Branigan, 398 Eclipse Ave., 2 story, 40 x 80 ft., brick and timber ice plant, plain foundation, to Petitt & Howard, 140 Argill Ave. Archts. est. $40,000.

Wis., Beloit—W. A. Rossow, 4th St., 2 story and basement, 40 x 65 ft., brick and tile laundry, plain foundation, to W. H. Quinn, 840 East Grand Ave. $40,000.

Wis., Birchwood—Clover Valley Cheese Co. will build 2 story brick factory, plain foundation, by day labor. $40,000.

Wis., Hurley—Norman Auto Co. will build 1 story and basement, 97 x 100 ft., brick and concrete garage, plain foundation, by day labor. $50,000. N. A. Nelson, Ironwood, Mich., archt. Noted Nov. 1.

Wis., Ladysmith—Arts & Diedreich Co., will build 2 story 50 x 90 ft. rein.-con. and brick garage, plain foundation, by day labor. $40,000. Private plans.

Wis., Milwaukee — Kletzsch Realty Co., 3rd and Cedar Sts., 50 x 150 ft., brick and concrete addition to light manufacturing plant, to J. L. Stanage, 3216 Vliet St. Archts. est. $40,000.

Wis., Milwaukee—Luick Ice Cream Co., 183 Ogden Ave., 4 story, 120 x 120 ft. brick and concrete garage, Van Buren St., to W. W. Oeflein, 86 Michigan Ave. Archts. est. $180,000. Noted Oct. 18.

Wis., Milwaukee—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., 1 story, 60 x 100 ft., brick and concrete garage, plain foundation, 38th St., to Dahlman Const. Co., 456 Bway. Archts. est. $40,000.

Wis., Milwaukee—Republic Bldg. Co., 204 11th St., 1 story and basement, 60 x 150 ft., brick, concrete and tile, plain foundation, Wells St., to S. H. Siesel, 160 Ogden Ave. $40,000.

Wis., Milwaukee—Vilter Mfg. Co., 937 Clinton St., 1 story, 92 x 126 ft., brick and steel warehouse plain foundation, to Meredith Bros., 1043 Kinnickinnic Ave.; steel to Wisconsin Bridge & Iron Co., North Milwaukee. Archts. est. $45,000.

Wis., Racine—F. H. Applegate, 1043 Washington Ave., 1 story, 100 x 174 ft., brick, rein.-con. and steel garage, plain foundation, to Driver & Seater, c/o W. F. Mickelsen, archt., 502 Main St., Milwaukee. Archts. est. $55,000. Noted Aug. 9.

Wis., Racine—Belle City Malleable Iron Co., Kewanee St., 1 story, 77 x 100 ft., brick and steel addition to annealing building, plain foundation, to Nelson & Co., Janes Bldg. Archts. est. $45,000.

Wis., Spring Green—Spring Green Canning Co., c/o W. P. McDonnel, chn., 2 story, 30 x 140 ft. brick, rein.-con. and steel factory, plain foundation, to Hastings Industrial Co., 326 West Madison St., Chicago. Archts. est. $50,000. Noted Oct. 25.

Ia., Cedar Rapids—Iowa Railway and Light Co., Bowes Bldg., 1 story, 45 x 100 ft. power plant addition, rein.-con., brick and steel, to T. Stark & Co., 118 South 11th St. Archts. est. $365,000.

Minn., Duluth—Cutler-Magner Co., 1115 Fidelity Bldg., 2 story, 135 x 364 ft. refinery and warehouse, rein.-con., Railroad St., to Barnett & Record Co., 420 Fidelity Bldg., $400,000. Noted Nov. 1.

Minn., Minneapolis — Northern States Power Co., 15 South 5th St., will build 4 story, 56 x 57 130 ft. sub-station, concrete, brick and steel, 1075 1st Ave. N., by day labor. $90,000. Private plans.

Mo., St. Louis—Green Fdry. Co., 3003 North Bway., 1 and 2 story, 215 x 300 ft., brick and concrete foundry, 5380 Kingshighway Blvd., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $100,000.

Tex., Dallas—A. L. Black, Hope, Ark., 2 story, 50 x 160 ft., brick and concrete warehouse, to R. O'Rourke, Kirby Bldg., $40,000. Noted Oct. 11.

Tex., Denison—Missouri Kansas & Texas R.R., Missouri Kansas & Texas Bldg., Dallas, railway car shops, brick and steel, to H. D. McCoy, Cleburne, $200,000.

Tex., Ft. Worth—Southwestern Bell Telephone Co., Throckmorton and 11th Sts., 1 story, 60 x 150 ft., brick and concrete warehouse, plain foundation, Railroad Ave., to J. D. Johnson, Dan Waggoner Bldg., $40,000. Noted Nov. 8.

Tex., Houston—Hambrick & Dryling, 712 Louisiana St., 2 story, brick and tile factory, to H. H. Yates, 1211 Wrightwood St., $70,000.

Calif., Fresno—United Warehouse Co., 2 story, rein.-con. warehouse, San Benito and O Sts., to Trewhitt-Shields, Rowell Bldg., $60,000. Haas Bros., 3rd and Channel Sts., San Francisco, lessees.

Calif., Los Angeles—Bd. Educ., 5 story, rein. con. warehouse, San Pedro St., general contract to J. B. Harris, 4928 West Pico St., $150,550. Noted Nov. 1.

Calif., Sausalito—C. Mason, 31 El Monte Lane, 2 story, rein.-con. garage, Water St., to J. Spargo, Russ Bldg., San Francisco, $50,000. Noted Nov. 8.

Buildings

PROPOSED WORK

Mass., Webster—School—St. Josephs Parish having plans prepared by H. F. Ludorf, Main St., New Britain, 3 story, 120 x 140 ft., rein.-con., brick and stone, plain foundation. $150,000.

Conn., Hartford—Apartment—M. F. Morrissey, 26 Dennison St., having plans prepared by G. H. Matthews, 48 Campfield Ave., two 3 story, 40 x 100 ft., brick, plain foundations. Vine St. $200,000.

Conn., Hartford — Office — Connecticut General Life Insurance Co., 64 Pearl St., plans 6 story, brick, stone and steel, plain foundation, Elm St. $500,000. J. G. Rogers, 367 Lexington Ave., New York City, archt.

Conn., Wallingford—Town Hall—Town having plans prepared by C. S. Palmer, 114 Whitney Ave., New Haven, 3 story, brick, plain foundation. $150,000. J. A. Portin, 401 Center St., clk. Noted May 31.

N. Y., Buffalo—Museum—Voted $1,000,000 bonds for natural science museum, in Humboldt Park. Noted Feb. 1.

N. Y., New York—Apartment—J. Sager, 299 Bway., plans 6 story, 50 x 100 ft., brick, steel and stone, plain foundation, 140th St. near Bway. Engineer and architect not selected.

N. Y., New York—Loft—E. Margolies, 10 East 33rd St., having sketches made by Cross & Cross, archts. and engrs., 385 Madison Ave., 12 story, brick, steel and stone, plain foundation, West 47th St. $2,000,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone, plain foundation, East 11th St. $500,000.

N. Y., North Tonawanda—Schools—Bd. Educ. plans new schools. $750,000.

N. Y., Schenectady—Hotel—Chamber of Commerce having plans prepared by H. L. Stevens & Co., 522 5th Ave., New York, 14 story, rein.-con., brick and steel, plain foundation. $1,000,000. Amer. Hotel Co. subsidiary of United Hotels Co. of America, 25 West 45th St., New York, will lease for 30 years.

Pa., Coraopolis—High School—City plans high school. $200,000.

Pa., Erie — Temple — Fraternal Order Eagles, c/o J. M. Schilling, secy., 425 East 28th St., having plans prepared 4 story, Holmes St. $225,000. Architect not announced.

Pa., Forty Fort — High School — City plans new high school. $290,000 will mature in spring.

Pa., Johnstown—High School—Bd. Educ., Swank Bldg., having plans prepared by J. E. Adams, archt., Nemo Bldg., and E. L. Tilton, associated archt., 141 East 45th St., New York City, 3 story and basement, 180 x 200 ft. rein.-con., brick and steel, Napoleon St. $500,000.

Pa., Langhorne—School—School Bd. plans 2 story, brick and steel. $155,000. A. W. Morris, pres. Engineer and architect not selected.

Pa., Mercer — Hospital — Mercer Co. plans hospital here. $175,000 will mature in spring.

Pa., Midland — School — Voted $250,000 bonds for new school.

Pa., Phila.—Apartment—Thirteenth and Locust Realty Co., 13th and Locust Sts., having revised plans prepared by L. Rothschild, 215 South Broad St., 12 story and basement, 33 x 115 ft., 13th and Locust Sts. Former bids rejected.

Pa., Phila.—Library, City Hall, etc.—Voted $1,000,000 bonds for library building, $2,000,000 for City Hall Annex, $2,500,000 for pub. health buildings, $2,000,000 for Art Museum, $500,000 for pub. welfare building, $500,000 for House of Detention.

Pa., Westmont — School — Upper Yoder School Dist. plans election in December to vote on $100,000 bonds for 3 story and basement, 100 x 130 ft. addition to present school. $45,000 already available for work.

N. C., Asheville—Court House—Comrs. Buncombe Co. plan to sell $250,000 bonds for annex to court house.

N. C., Durham—Hotel—Citizens Hotel Co. takes bids about Dec. 15, 8 and 12 story, brick and hollow tile, Market and Parrish Sts. $1,000,000. J. A. Buchanan, chn. S. H. Johnson, Lynchburg, Va., archt. Noted May 17.

N. C., Hamlet—Hotel—Mohawk Hotel Co. plans 100 room hotel. $200,000. E. A. Lackey and others, Hamlet, owners.

Buildings (Continued)

N. C., High Point—Y. M. C. A. plans to construct 2 units, bids soon on first unit. $250,000. E. Hartley, High Point, secy.

N. C., Wilmington—Court House—New Hanover Co. plans to expend $150,000 for enlarging court house. Will place jail on 3rd floor. A. Hewlett, chn. Bd. Co. Comrs.

Fla., St. Petersburg—Hotel—S. Lund & Son, Hotel Soreno, plan 7 story, 50 x 75 ft. annex, 1st Ave. N. $150,000.

Fla., Tampa—Office—Hillsborough Co. Medical Society plans 10 story, 105 x 105 ft., Twiggs and Marion Sts. $400,000.

Ala., Selma—Y. M. C. A. having plans prepared by W. L. Welton, Amer. Trust Bldg., Birmingham, and takes bids about Jan. 1, 3 story, 100 x 175 ft. building. $150,000.

La., Jackson — Hospital — State having preliminary plans prepared by Favrot & Livaudaus, Hibernia Bank Bldg., New Orleans, 3 story, rein.-con. and brick, for East Louisiana State Hospital, here. $150,000.

La., New Orleans—Restaurant—See "Unclassified."

Tenn., Nashville—City Hall and Market—City plans 3 story City Hall and market house, 150 stalls, on Public Sq. $800,000. H. E. Howse, mayor.

Ohio—Schools—Harrison Twp., Montgomery Co., (Dayton), voted $460,000 bonds for 2 new schools, 1 at Ebenezer (Dayton P. O.), and 1 at Fort McKinley (Taylorsburg P. O.).

O., Cincinnati — Library — Defeated $2,500,000 bonds for library, Vine St. Noted Oct. 11.

O., Cincinnati — School — Cincinnati Woman's Club, 643 Oak St. W. H. conducting campaign to raise $200,00 for new school for Sacred Heart College, Heywood Ave. C. W. $200,00. Engineer and architect not announced.

O., Cleveland — Apartment — H. Shifrin, 1224 East 124th St., having plans prepared by Braverman & Havermaet, Ulmer Bldg., 3 story, 75 x 183 ft., brick, Noble Rd. $175,000.

O., Cleveland — Commercial and Apartment—W. Rosensweig, Society for Savings Bldg., plans 3 story, brick, on lot 300 x 508 ft., 8406 Euclid Ave. $250,000. A. F. Janowitz, 811 Prospect Ave., archt.

O., Coitsville (Youngstown P. O.)—School—Coitsville Twp. voted $150,000 bonds modern school. Will mature in spring.

O., Elyria—Station, etc.—New York Central R.R., Grand Central Terminal, New York City, had plans prepared by Fellheimer & Wagner, East 42nd St., New York City, brick and stone station, incl. subway under tracks, here. $250,000. G. Kittredge, ch, engr.

O., Marietta—High School—Voted $450,000 bonds high school. Will mature in spring.

O., Niles—High School—Voted $350,000 bonds high school. Will mature in spring.

O., Tiffin—Auditorium, etc.—Voted $150,000 bonds auditorium and gymnasium for present high school.

O., Youngstown—Hospital—Mahoning Co. takes bids in 2 weeks hospital. $150,000. Stanley & Schieble, Wick Bldg., archts.

O., Warren—City Hall—Defeated $200,000 bond issue new city hall. Noted March 29.

O., Warren—High School—Voted $900,000 bonds high school. Will mature in spring. Noted Oct. 4.

Ind., Indianapolis—Church Auditorium—North Methodist Episcopal Church Building Com. had plans prepared by C. H. Hopson, Healey Bldg., Atlanta, Ga., and takes bids early in winter, first unit of church, Maple Rd., Boulevard and Meridian St., $350,000. Total cost $600,000.

Mich., Ann Arbor—Nurses Home—University Hospital having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 4 story and basement, rein.-con., brick and steel, plain foundation, University Ave. $750,000.

Mich., Detroit — Apartment — W. Schumaker, 309 Savannah Ave., having plans prepared by Hull & Owen, 1212 Griswold St., 3 story and basement, 72 x 108 ft. brick and frame, plain foundation, Savannah Ave. $150,000.

Mich., Detroit — Church and Sunday School—Donaldson & Meier, archts., 1314 Penobscot Bldg., preparing plans 2 story, 60 x 125 ft. rein.-con., brick and stone, plain foundation. $185,000. Owners name withheld.

Mich., Detroit—Hotel—O. Kavieff, archt., 712 Empire Bldg., preparing plans 6 story and basement, 80 x 126 ft. rein.-con., brick and steel, plain foundation, 2nd Ave. $220,000. Owners name withheld.

Mich., Holland—Hotel—A. H. Landwehr plans hotel. $365,000. Engineer and architect not selected.

Mich., Kalamazoo—Gymnasium—Western State Normal School having plans prepared by L. W. Fry, state archt., Lansing, 2 story, 86 x 170 ft. rein.-con., brick and steel, plain foundation. $190,000.

Ill., Springfield — Apartment — Lincoln Apartment Building Co., 500 Forest Ave., having preliminary plans prepared by Helmle & Helmle, 1st Natl. Bank Bldg., 3 story and basement, 40 x 214 ft., rein.-con., brick and stone, Lincoln Park. $150,000.

Wis., Prairie du Sac—High School—Bd. Educ. c/o F. J. Schultz, clk., having plans prepared by J. R. and E. J. Low, 1st Central Bldg., Madison, 2 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation.

Wis., Rice Lake—Hotel—W. W. Allen & Son, proprietors Hotel Tourist, plan 3 story and basement, brick and concrete, plain foundation. Architect not selected.

Ia., Des Moines—Office—Southern Security Co., Register and Tribune Bldg., having preliminary plans prepared by Sawyer & Watrous, 401 Hippee Bldg., 13 story and basement, 66 x 132 ft., rein.-con., brick and stone. $600,000.

Minn., Duluth—Hotel—W. Schroeder, 86 Michigan St., Milwaukee, Wis., takes bids about Jan. 1, superstructure, 16 story and basement, 125 x 140 ft., rein.-con., stone and brick, Superior St. and 3rd Ave. E., here. $1,500,000. W. Tullgren & Sons Co., 425 East Water St., Milwaukee, Wis., archts. and engrs. Noted Sept. 13.

Mo., Carthage—College—St. Louis Conference of Methodist Episcopal Church, c/o Ozark Wesleyan College, Marion, having preliminary plans prepared 2 and 3 story, rein.-con., brick and stone, here. $1,500,000. Private plans.

Mo., Caruthersville — Court House — Pemiscot Co. soon takes bids 3 story, rein.-con., brick and stone, Square St. $150,000.

Mo., Columbia—Dormitory—Order of De Molay having preliminary plans prepared 3 story and basement, rein.-con., brick and stone, Missouri University campus. $200,000. R. V. Denslow, c/o Alhambra Grotta, St. Louis, secy. Private plans.

Mo., Mexico—High School—Election in early spring to vote on $225,000 bonds for high school. L. B. Hawthorne, secy. Bd. Educ.

Mo., St. Louis—Office—Local syndicate, c/o B. P. Bogy, 300 Odd Fellows Bldg., having preliminary plans prepared by Mauran, Russell & Crowell, Chemical Bldg., 12 story, 100 x 120 ft., Delmar Blvd. $1,500,000.

Mo., St. Louis—Office—Local syndicate, c/o P. J. Bradshaw, archt., International Life Bldg., having preliminary plans prepared by P. J. Bradshaw, International Life Bldg., 12 story, 60 x 60 ft., rein.-con., brick and stone, concrete pile foundation, 4th St. $500,000.

Mo., St. Louis—Office—Missouri Diocese of Episcopal Church, c/o W. Scarlett, locust St. near 12th St., plans 8 or 10 story, rein.-con., brick, stone and steel, Locust St. between 12th and 13th Sts. $750,000. Engineer and architects not announced.

Mo., St. Louis—School—Bd. Educ., 911 Locust St., having preliminary plans prepared by R. N. Milligan, archt. and engr., c/o owner, 2 story, rein.-con. and brick, Euclid St. $150,000.

Ark., Little Rock—Apartment—F. W. Allsopp, c/o Thompson & Harding, archts., 504 South Trust Bldg., had preliminary plans prepared 3 story and basement, rein.-con., brick and stone. $150,000.

Tex., Austin—Schools—Dec. 14, to vote on $500,000 bonds, construction new school and additions to present schools. A. N. McCollum, supt. schools.

Tex., Beaumont—Church—Baptist Church had plans prepared by Barglebaugh & Barnes, 905 San Jacinto St., Houston, 54 x 138 ft. (first unit) and 72 x 138 ft. (second unit), rein.-con., brick and stone. $225,000.

Tex., Medina Lake—Hotel and Clubhouse—Seutter & Simons, archts., 424 Moore Bldg., San Antonio, prepared plans and soon take bids 2 story, 90 x 160 ft., stone and rein.-con., plain foundation. $150,000. Owner's name withheld.

Tex., Nevada—Greenville Cotton Oil Co., Greenville, plans gin and warehouse, here. $40,000. Engineer and architect not announced.

Tex., New Braunfels — Hotel — H. S. Green, 203 Alamo Natl. Bank Bldg., preparing plans 6 story, 96 x 150 ft., rein.-con., brick and stone, site of present Plaza Hotel, for newly incorporated company, F. G. Blumberg, chn. of building com.

Tex., Slaton—High School—Election soon to vote on bond issue, 3 story, rein.-con. brick and stone, 25 classrooms and auditorium. $150,000. E. F. Rittenberry, Amarillo, archt.

Tex., Tyler—Office and Bank—Citizens Natl. Bank takes bids in January, 6 story and basement, brick, steel, terra cotta and concrete, North Bway. $300,000. Lang & Witchell, North Texas Bldg., Dallas, engrs. and archts.

Okla., Tulsa—Office—C. P. Alexander, 344 Robinson Bldg., plans 8 story and basement, 140 x 150 ft. $500,000. Engineer and architect not selected.

Utah, Salt Lake City—Stores and Office—C. A. Quigley, c/o Walker & Eisen, archts., Pacific Finance Bldg., Los Angeles, Calif., having plans prepared 14 story and basement, rein.-con., Exchange Pl., here. $1,000,000.

Wash., Seattle—Apartment—Colonial Investment Co., Amer. Bank Bldg., plans 4 story, brick and terra cotta, 9th and Spring Sts. $235,000. Engineer and architect not selected.

Wash., Seattle—Schools—School Bd. having plans prepared by F. A. Naramore, school archt., and takes bids early in 1924, addition to West High School. $190,000 and new Montlake Grade School, $120,000. Noted Sept. 27.

Wash., Walla Walla—School—St. Patricks Catholic Church plans school and central heating plant. $175,000.

Calif., Bakersfield — Hospital — Kern County having plans prepared by C. H. Biggar, Bank of Italy Bldg., womens ward and nurses home, 2 and 3 story, brick, steel, and concrete. $150,00.

Calif., Bakersfield — School — Kern Co., Union High School Dist. having plans prepared by C. H. Biggar, Bank of Italy Bldg., 2 story, brick and concrete. $150,000.

Calif., Berkeley—Bank and Office—Amer. Bank, Amer. Bank Bldg., Oakland, having plans prepared by E. T. Foulkes, Crocker Bldg., San Francisco, 8 story and basement, rein.-con. and steel, Shattuck and University Aves., here.

Calif., Gridley—High School—Gridley Union High School Dist. to vote on $225,000 bonds for high school buildings.

Calif., Long Beach—Apartment—W. Horne Co., 101 American Ave., having plans prepared by Walker & Eisen, Pacific Finance Bldg., and H. L. Gogarty, 239 East Bway., 12 and 14 story, rein. con. Ocean Ave.

Calif., Long Beach — Apartment — Local syndicate having plans prepared by Walker Eisen Pacific Finance Bldg., 12 story, 84 x 121 ft., brick and concrete, Ocean Ave. $900,000.

Calif., Long Beach—Schools—Plans election to vote on $3,500,000 bonds for new schools and additions.

Calif., Los Angeles—Bank and Office—Pacific Southwest Trust and Savings Bank, 565 South Spring St., plans brick bank, University Ave. and Jefferson St. $150,000, Architect not selected.

Calif., Los Angeles—Bank and Office—Southwest Trust and Savings Bank, 565 South Spring St., having preliminary plans prepared by Dodd & Richards, Brack Shops Bldg., rein.-con. bank and office, approximately 12 story, Main and Commercial Sts.

Calif., Los Angeles—Hotel—A. C. Blumenthal et. al., having plans prepared by Walker & Eisen, 330 Pacific Finance Bldg., 11 story and basement, 125 x 145 ft., brick and rein.-con., Wilshire Blvd. and New Hampshire St. $1,000,000.

Calif., Palo Alto—Hotel—W. H. Weeks, archt., 369 Pine St., San Francisco, and B. M. Clark, archt., 600 Embarcadero Rd., Palo Alto, preparing plans 3 story and basement, rein.-con. and tile, Hamilton Ave. and Ramond St. Company being organized. $250,000.

Calif., San Francisco—Apartment—W. F. Gunnison, archt., 57 Post St., preparing plans 6 story and basement, Class A construction, downtown section. $200,000. Owners name withheld.

Calif., San Francisco — Hotel — D. J. Clancy, c/o Baumann & Jose, archts., 251 Kearny St., having plans prepared 6 story and basement, rein.-con., Ellis St. and Cohen Pl. $200,000.

Calif., San Francisco—Store and Office—W. H. Crocker, Crocker Bldg., plans fireproof building, to replace structure destroyed by fire, Market St. near Kearny St., will exceed $150,000. Architect not selected.

Calif., San Jose—High Schools—Voted $760,000 bonds for 2 junior high schools. W. L. Bachrodt, supt. schools.

Buildings (Continued)

Calif., San Pedro—Hotel—Noernberg & Johnson, archts., Los Angeles Ry. Bldg., Los Angeles, preparing plans 6 story, rein.-con., here. To exceed $350,000. Company being organized.

Calif., Stockton—Auditorium—City had revised plans prepared by Stone, Wright & Allen, (City Architectural Comn.), Belding Bldg., for memorial auditorium. $600,000.

Ont., London—High Schools—Bd. Educ. having plans prepared by L. E. Carrothers, archt., c/o Bd. Educ., 2 high schools. $550,000.

BIDS DESIRED

N. Y., Brooklyn—School—Nov. 26, by Superintendent Bd. Educ., 500 Park Ave., New York, P. S. 202, brick, steel and stone, plain foundation, Hegeman and Atkins Aves., here. $1,500,000. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. and engr. Noted Nov. 8.

N. Y., New York—School—Nov. 26, by Superintendent Bd. Educ., 500 Park Ave., P. S. 99 Exterior St. $1,500,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr. Noted Nov. 8.

W. Va., Morgantown—Chemistry—Dec. 28, by State Bd. of Control, Charleston, 4 story and basement, 79 x 305 ft., fire-proof, here. J. S. Lakin, pres.; adv. E. N.-R. Nov. 15. Noted Apr. 12.

W. Va., Charleston—Office—Dec. 21, by Capitol Comn., office building. C. Gilbert, 244 Madison Ave., New York City, archt.; adv. E. N.-R. Nov. 15.

N. C., Greensboro—College, etc.—Dec. 4, by J. F. Foust, pres. North Carolina College for Women, 3 dormitories, physical education building, dining hall, new wing and pavilion, brick, $600,000; bids also on plumbing, heating and electrical equipment for above. H. Barton, Greensboro, archt.

La., Baton Rouge—Chemistry—R. L. Himes, secy. building comn. of State Agricultural College, taking bids 2 story, 150 x 400 ft. rein.-con. $325,000. T. Link, Capitol Bldg., state archt.

Tenn., Memphis—Hospital—W. F. Schultz, archt. Shrine Bldg., taking bids 4 story, 46 x 235 ft., brick, steel and hollow tile, for Methodist Episcopal Church. $250,000. Noted Oct. 4.

Ky., Ashland—Hotel—Buckingham Hotel Co. receiving bids and opens same about Dec. 3, 9 story, 142 x 200 ft., rein.-con. and brick. $1,000,000. Noted Sept. 13.

Ky., Louisville—Temple—Nov. 30, (extended date) by Nevin, Wischmeyer & Morgan, archts., Starks Bldg., temple, 4th and Breckenridge Sts., for Scottish Rite Assn. 438 6th St. $750,000. Noted Nov. 1.

O., Cleveland — Apartment — S. Epstein, 9303 Adams Ave., taking bids 3 story and basement, 39 x 142 ft., brick, Wymore Ave. near Euclid Ave. $150,000. A. F. Janowitz, 811 Prospect Ave., archt.

O., Cleveland Heights (Warrensville, P. O.) —Apartment—H. Caplan, 3464 East 123rd. St., Cleveland, taking bids 3 story and basement, 99 x 145 ft., brick, Hampshire Rd., here. $150,000. M. Weis, 617 Union Bldg., Cleveland, archt.

Ind., Bloomington—Memorial—Jan. 2, by University of Indiana, 3 story and basement, 40 x 280 ft., rein.-con. and stone. $330,000. Lowe & Bollenbacher, 108 South La Salle St., Chicago, archts. Noted June 7.

Ind., Indianapolis—Orphans Home—Dec. 10, by Comrs. Marion Co., 1 and 2 story, 100 x 120 ft. administration, two 50 x 84 ft. cottages, 1 story, 30 x 50 ft. power plant and refrigeration plant, for Colored Orphans Home. D. Graham, Hume-Mansur Bldg., archt.

Ind., Indianapolis—School—E. J. Hecker, trustee, 5241 East Washington St., taking bids high and grade school, brick and hollow tile, in Warren Twp. $150,000. Harrison & Turnock, 500 Bd. of Trade Bldg., archts.

Mich., Grand Rapids—High School—Dec. 12, by G. A. Davis, pres. Bd. Educ., constructing Harrison Park Junior High School, 2 story and basement, rein.-con., brick and steel, plain foundation, Harrison Park Grounds. $300,000. Robinson & Campau, 715 Michigan Trust Bldg., archts.

Mich., Grosse Pointe (Detroit P. O.)—School—Nov. 20, by C. A. Payne, business mgr., Bd. Educ., 399 St. Clair Ave., 2 story and basement, 90 x 95 ft. rein.-con., brick and steel, plain foundation, Rivard Blvd. $150,000. Malcomson & Higginbotham, 1217 Griswold St., Detroit, archts.

Mich., Ironwood—High School—Dec. 18, by Bd. Educ., 3 story and basement, rein.-con., brick, stone and tile. $700,000. Croft & Boerner, 1006 Marquette Ave., Minneapolis, Minn., archts.

Ill., Chicago—Bank—C. E. White, Jr., & Pomeroy, archts., 343 South Dearborn St., receiving bids 4 story, 50 x 140 ft., fireproof, Houston and 92nd Sts., for Union State Bank of South Chicago, 3066 East 92nd St. $350,000.

Ia., Sioux City—High School—Dec. 20, by Bd. Educ., 4 story and basement, 230 x 230 ft., rein.-con., brick, tile and stone, Morningside and Orleans Aves. $400,000. Beuttler & Arnold, 407 Grain Exch. Bldg., archts. Noted Oct. 25.

Kan., Wichita—Temple—Dec. 15, by Commandery of Council Chapter of Eastern Star, c/o Eberson & Weaver, archts., 504 Orpheum Bldg., 7 story and basement, 75 x 134 ft., rein.-con., brick and stone, for York Rite Temple Assn. $400,000.

Mo., St. Louis—High School—Dec. 5, by Bd. Educ., 911 Locust St., William Beaumont High School, 3 story, 307 x 375 ft., rein.-con., brick and stone, plain foundation, Natural Bridge Rd. and Vandeventer Ave. $1,500,000. R. M. Milligan, c/o owner, archt. and engr.

Wash., Tacoma — Hotel — Dec. 11, by Citizens Hotel Corp., Inc., 610 Tacoma Bldg., 12 story, rein.-con., brick, steel and terra cotta, 9th St. and Bway. $1,500,000. W. L. Stoddart, 50 East 41st St., New York City, archt. Noted Nov. 1.

Calif., Los Angeles—Synagogue—Russell & Alpaugh, archts., Story Bldg., receiving bids 1 story, brick, Manhattan Pl., for Temple Emanu-El, 631 South Manhattan Pl. $150,000. Noted June 7.

Calif., San Francisco—Nurses Home, etc. —S. Schnaittacher, archt., 233 Post St., and S. L. Hyman, associated archt., 68 Post St., receiving bids 6 story and basement, nurses home and auditorium, Sutter St., for Mt. Zion Hospital, Post and Scott Sts. To exceed $150,000. Noted June 7.

Calif., Stockton—College—Davis-Hellar-Pearce Co., (construction managers), Weber and California Sts., taking bids, science building, Losekann & Clowdsley, Elks Bldg., archts., dining hall and gymnasium, Stoner & Warner, Belding Bldg., archts.; auditorium, Mayo, Cowell & Bissell, 24 South San Joaquin St., archts.; boys dormitory and girls dormitory, power house and stadium, Davis-Heller-Pearce Co., Weber and California Sts., archts., all 2 story. $600,000. Noted Aug. 23.

BIDS RECEIVED

Pa., Palmerton—High School—L. J. Kemmerer, secy. Bd. Educ., 3 story and basement, 139 x 165 ft. rein.-con., brick and steel, 3rd and Lafayette Sts., general contract from Ochs Constr. Co., Allentown, $286,051; heating from E. Keeler Co., Williamsport, $49,997. Noted Oct. 25.

Minn., St. Paul—School—Dept. Educ., Nov. 6, general contract, 2 story and basement, rein.-con. and brick, Thomas, Arundel and Edmund Sts., from E. Bjorklund, 485 Endicott Bldg., $126,927. Archts. est. $160,000.

Mo., St. Louis—Primate House—Bd. Pub. Serv., 305 City Hall, Nov. 1, general contract 100 x 129 ft., brick and rein.-con., for Zoological Bd., Forest Park, from J. Hill Constr. Co., Syndicate Trust Bldg., $146,380. Noted Oct. 18.

Calif., Santa Rosa—High School—Trustees High School Dist., rein.-con. and brick, (1) all work, except electric, plumbing and heating (2) excavation, concrete, carpentry, steel, grading, glass and glazing (3) excavation, carpentry, concrete, grading, steel, glass, glazing, sheet metal, from Hannah Bros., 142 Sansome St., San Francisco, (1) $345,946; Campbell Constr. Co., Nicolaus Bldg., Sacramento, (2) $256,666; R. Trost, 26th and Howard Sts., San Francisco, (3) $240,260. Noted Sept. 27.

Calif., Stockton—Church—First Christian Church, masonry construction church, from O. H. Chain, Farmers and Mechanics Bank Bldg., $155,000.

CONTRACTS AWARDED

Conn., Hartford—Apartment—J. Howard, Lancaster Rd., West Hartford, will build 3 story, 50 x 110 ft., brick, plain foundation, Capitol Ave., by day labor. Berenson & Moses, 30 Allyn St., archts.

N. Y., Brooklyn—Apartments—Bedford Properties Co., c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build two 4 story, brick, steel and stone, plain foundations, Ocean Parkway, by day labor. $150,000 each.

N. Y., Brooklyn — Apartment — Lipthal Building Corp., c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., will build 4 story, brick, steel and stone, plain foundation, President St., by day labor. $200,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, P. S. 210, Rochester Ave. from Park Pl. to Prospect Pl., here, to G. Colon & Co., 81 East 125th St., New York, $1,030,000. Noted Oct. 25.

N. Y., New York — Apartment — Six Thirty-Four West 170th St. Corp., c/o G. G. Miller, archt. and engr., 1482 Bway., will build 6 story, brick, steel and stone, plain foundation, West 170th St., by day labor. $300,000.

N. Y., New York—Apartment—J. J. Summers, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, University Ave., by day labor. $250,000.

N. Y., New York—Apartment—H. Weingarten, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, 171st St. and Wythe Pl., by day labor. $300,000.

N. Y., New York—Dormitory—Barnard College and Columbia University, Morningside Heights, 8 story, brick, steel and stone, plain foundation, 116th St. and Claremont Ave., to T. O. Reilly, 15 East 49th St. Archts. est. $600,000. Noted Oct. 18.

N. Y., New York — High School — Bd. Educ., 500 Park Ave., James Monroe High School, Boynton Ave. from East 172nd to East 173rd Sts., to T. A. Clarke Co., 122 Livingston St., Brooklyn, $2,145,000. Noted Nov. 8.

N. Y., New York—Office—Professional Office Building, c/o Ewing & Allen, archts. and engrs., 101 Park Ave., 11 story, 60 x 100 ft., brick, steel and stone, plain foundation, 60th St. and Park Ave., to Starrett Bros., 101 Park Ave. Archts. est. $500,000.

Pa., Drexel Hill—Bank—Bunting & Shrigley, archts., 603 Chestnut St., Phila., 2 story and basement, 63 x 108 ft. rein.-con., steel, limestone and granite, Garret Rd. and Runnymeade St., to Bowden Constr. Co., 1935 Chestnut St., for Landsdowne Trust Co. Noted Oct. 18.

Pa., Flourtown—High School—Springfield Twp. School Bd., Springfield Twp. Bldg., Bethlehem Pike, Erdenheim, 2 story and basement, concrete, brick and steel, to Chester Constr. & Contg. Co., Crozier Bldg., Chester, $149,728. Noted Oct. 25.

Pa., Lancaster — School — Bd. Educ., Prince and Chestnut Sts., 3 story and basement, 148 x 210 ft., West Walnut and Nevin Sts., to Sinclair & Griggs, Medical Arts Bldg., Phila., $440,170. Noted Oct. 25.

Pa., Swarthmore—Dormitory—F. Aydelotte, pres. Swarthmore College, c/o Karcher & Smith, archts., 34 South 17th St., Phila., 3 story and basement, 30 x 240 ft. steel, stone, terra cotta and cement, here, to McNeil Constr. Co., 15th and Race Sts., Phila., $175,000. Noted Oct. 18.

Pa., Tamaqua—Theatre and Hotel—Higgins Hotel Corp., 4 story and basement, 54 x 150 ft. rein.-con., brick and steel, Broad and Pine Sts., to Shamokin Lumber & Constr. Co., Shamokin, $307,257. Noted Oct. 18.

W. Va., Wheeling—Church—St. Josephs Church, 85 x 125 ft., cut stone, to R. R. Kitchen & Co., Natl. Bank of West Virginia Bldg. Archts. est. $400,000.

N. C., Wilmington—Hotel—Cape Fear Hotel Co., 10 story and basement, 2nd and Chestnut Sts., to W. Clark, Wilmington, $800,000. Noted Oct. 25.

O., Cleveland—Bank and Office—Knox & Elliott, archts., 906 Engineers Bldg., 22 story, 132 x 168 ft., rein.-con., brick and steel, Ontario St. and St. Clair Ave., to Fuller Constr. Co., 175 5th Ave., New York City, for Brotherhood of Locomotive Engineers of America, Engineers Bldg. Archts. est. $5,000,000. Noted Sept. 20.

O., Lorain—Y. M. C. A. 6 story building, to Kratt & Sons, Lorain, $225,000.

Mich., Pontiac—Church—First Presbyterian Church, Wayne and West Huron Sts., 2 story, 70 x 118 ft. brick, steel and stone, plain foundation, West Huron St., to W. H. Isgrigg & Son, Strand Theatre Bldg., $150,000.

Mich., Springwells—School—Bd. Educ., 2 story and basement, 86 x 160 ft. brick, concrete and steel, plain foundation, Warren and Blesser Sts., to Culbertson & Kelly, 872 West Milwaukee Ave., Detroit. Archts. est. $170,000. Noted Oct. 4.

Ill., Chicago—Apartment-Hotel—H. T. Petersen, c/o Olsen & Urbain, archts., 155 North Clark St., 3 story, fireproof, 3727-29 Pine Grove Ave., to Kurt-Rosenthal & Co., 11 South La Salle St. Archts. est. $250,000.

Ill., Waukegan — Bank and Office — Waukegan National Bank, general contract 8 story, 150 x 150 ft., rein.-con., brick and stone, here, to St. Louis Bank Equipment and Fixture Co., 811 Walnut St., St. Louis, Mo. Archts. est. $500,000.

Buildings (Continued)

Wis., Milwaukee—Store—P. Voland Furniture Co., 3202 North Ave., 2 story and basement, 82 x 120 ft., brick and concrete, plain foundation, to R. Hartman, 4001 Highland Blvd. Archts. est. $150,000.

Minn., Waseca—High School—Bd. Educ., general contract 2 story and basement, rein.-con., brick and stone, to Carlsted Bros., 700 Builders Exch., Minneapolis. $243,968. Archts. est. $350,000. Noted Oct. 11.

Kan., Pittsburg—Temple—Mirza Temple Shriners, general contract 3 story, brick, stone and rein.-con., to A. E. Todd & Sons, Independence. Archt. est. $500,000.

Wash., Seattle—Bank—Bank of California, 801 2nd St., 2 story, 60 x 108 ft., concrete and steel, 2nd and Columbia Sts., to J. A. McEachern Co., Colman Bldg. Archts. est. $250,000.

Okla., Chickasha—Industrial Arts—State Bd. of Officers, Oklahoma City, 3 story and basement, 70 x 160 ft., rein.-con., brick and stone, here, general contract to Kreipe-Schafer Constr. Co., Herskowitz Bldg., Oklahoma City. Est. cost $150,000. Noted June 14.

Calif., Long Beach—Apartment—A. W. Ellis, et al., 244 East 1st St., 3 story and basement, brick, Hermosa Ave., to C. A. Willis, 5029 East Ocean Ave., $150,000.

Calif., Long Beach — Hotel, Store and Apartment—Bolivar Holding Co., c/o Curlett & Beelman, archts., Union Bank Bldg., Los Angeles, 12 and 14 story, rein.-con., East Ocean Ave., to Hennessy Bros., Bank of Italy Bldg., Los Angeles. To exceed $1,250,000.

Calif., Los Angeles—Nurses Home—Good Samaritan Hospital, 1243 Orange Ave., 5 story and basement, rein. con., Lucas St., to Stewart Constr. Co., Bank of Italy Bldg., $215,000. Noted Oct. 25.

Calif., Los Angeles—Store and Hotel—E. Olcovich Co., 337 South Bway., 3 story and basement, brick, Flower and 9th Sts., to Lange & Bergstrom, Washington Bldg., $150,000.

Calif., Oakland—Store, Hall and Loft—M. F. Smith, c/o Schirmer-Bugbee, archts., Thayer Bldg., 3 story and basement, rein.-con., 12th and Oak Sts., to W. Murch, Federal Bldg., $149,000. Noted Oct. 25.

Calif., Oakland — Store, Theatre and Apartment—Rivoli Investment Co., c/o Hutchinson & Mills, archts., 1214 Webster St., 2 story and basement, concrete, Grove and 55th Sts., to M. F. Hamilton, 825 Santa Fe Ave. $150,000.

Calif., San Francisco—Apartment—N. Muriale, St. Helena, 5 story and basement, rein.-con., Polk St. near Union St. to Amoroso & Danico, 1336 Kearney St., $155,000.

Ont., Hamilton—School—Bd. Educ., 3 story and basement, 20 rooms, concrete, brick and steel, general contract to W. H. Cooper, Clyde Blk., $192,127. Noted Sept. 13.

B. C., Point Grey—Library—University of British Columbia, 10th Ave. and Willow St., Vancouver, 3 story, rein.-con., brick, stone and tile, to E. J. Ryan Contg. Co., Ltd., 445 Granville St., Vancouver, $400,000. Noted Oct. 11.

Federal Government Work

BIDS DESIRED

Mass., Hingham—Repairs to Seawall—Spec. 4908—Nov. 21, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to seawall of slip, here. Noted Sept. 20.

N. Y., New York—Dredging, etc.—Dec. 14, at office U. S. Engineer, Army Bldg., 39 Whitehall St., dredging and rock removal in East River; adv. E. N.-R. Nov. 15.

Pa., Allentown—Remodeling—Dec. 10 by Treas. Dept., Wash., D. C., remodeling U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 15.

Pa., Phila.—Dredging—Dec. 4 at office U. S. Engineer, 1505 Race St., dredging 290 cu.yd. ledge rock and 2,200 cu.yd. other material in Schuylkill River.

W. Va., Huntington—Maneuver Boat, etc.—Dec. 10, at office U. S. Engineer, steel hull maneuver boat, etc., for Dam 32, Ohio River; adv. E. N.-R. Nov. 15.

Ill., Great Lakes—Ward—Jan. 30, by Bureau Yards & Docks, Navy Dept., Wash., D. C., psychopathic ward at Naval Training Station, here.

Calif., Mare Island—Fuel Oil Storage—Spec. 4717—Dec. 2 (extended date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., two 50,000 bbl. fuel oil tanks, motor driven centrifugal oil pumps, 3 brick pump houses and 1 heater house, at Navy Yard, here. Noted Oct. 25.

BIDS RECEIVED

N. Y., Hoosick Falls—Post Office—Treas. Dept., Wash., D. C., constructing U. S. Post Office, here, from Sarles Constr. Co., 527 5th Ave., New York, $49,750. Noted Oct. 11.

Md., Baltimore—Quarters—Treas. Dept., Wash., D. C., 2 story concrete and timber, doctors and pharmacists quarter at U. S. Marine Hospital, here, from Pamfilis Constr. Co., 415 Equitable Bldg., $14,978. Noted Oct. 18.

Ga., Brunswick—Dredging—U. S. Engineer, Savannah, dredging in Harbor, here, from John Emile Dredging Co., Duval Bldg., Jacksonville, Fla., $0.50 per cu.yd. To exceed $25,000.

H. T., Pearl Harbor—Extension—Spec. 4910—Bureau Yards & Docks, Navy Dept., Wash., D. C., extensions for battery storage and overhaul, at Submarine Base, here. (1) work complete, from A Pope, 4722 15th St., N. W., Wash., D. C., (1) $44,000 (2) $4,000 (3) $25 (4) $3 (5) $0.10. Noted Sept. 20.

CONTRACTS AWARDED

Ga., Dawson—Post Office—Treas. Dept., Wash., D. C., constructing U. S. Post Office, here, to A. M. Lundberg, Times Bldg., St. Louis, Mo., $49,500. Noted Oct. 25.

La., Carville—Buildings—Treas. Dept., Wash., D. C., construction, except mechanical equipment, additional buildings, incl. patients cottages, infirmary, recreation building, kitchen and mess hall, all terra cotta and stucco, storehouse and officers quarters, timber construction, at National Home for Lepers, here, to A. Blair, 11 South Lawrence St., Montgomery, Ala., $382,905. Noted Oct. 25.

La., Carville—Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment for additional buildings incl. patients cottages, recreation building, kitchen, mess hall, storehouse, and officers quarters; extension and remodeling outside services, incl. heating, electric, water supply, sewage disposal, refrigeration system, etc., and constructing power house, complete incl. mechanical equipment, at National Home for Lepers, here, to Noland-Clifford Co., 330 28th St., Newport News, Va., $209,700; engine and generator, to R. Morton, Equitable Bldg., Baltimore, Md., $11,578. Noted Oct. 25.

Ky., Louisville—Derricks—U. S. Engineer, P. O. Box 72, 6 steel derricks complete, exclusive of wire rope, to Lakeside Bridge and Steel Co., North Milwaukee, Wis., $33,700. Noted Nov. 1.

Ind., Newburg—Dwellings—U. S. Engineer, P. O. Box 72, Louisville, Ky., 2 lockkeepers dwellings at Dam 47, here, to C. Kanzler & Son, Furniture Bldg., Evansville, $22,450. Noted Oct. 25.

Ill., Rock Island—Pontoons—U. S. Engineer, Rock Island, furnishing twenty 3 x 14 x 38 ft. steel discharge pontoons, to Dubuque Boat and Boiler Wks., Dubuque, Ia., $44,840. Noted Nov. 8.

Montana—Road—U. S. Bureau Pub. Rds. Dept. Agriculture, Smead-Simons Bldg., Missoula, grading and gravel surfacing 7 mi. Clarks Fork-Weeksville Sect., Cabinet National Forest Rd. Project, Sanders Co., 23,000 cu.yd. rock and 41,300 cu.yd. earth excav., 6,100 cu.yd. gravel, etc., to Gates & Solberg, Wolf Point, $73,763. Noted Oct. 11.

H. T., Hilo—Breakwater—U. S. Engineer, Honolulu, breakwater in Harbor, here, to Hawaiian Dredging Co., 854 Kuhuhuana St., Honolulu, $340,000. Noted Aug. 23.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Application

443—A. Damgaard, Forest Glen, Calif.—Wants license for dam, water conduits, powerhouse and transmission line in Forest Glen Creek, Trinity Co.

444—Great Western Power Co., 530 Bush St., San Francisco, Calif.—Wants license for 44 kv. transmission pole line from point near Belden to Canyon Dam, in canyon of Feather River, Plumas Co.

445—Colorado Power Co., Symes Bldg., Denver, Colo.—Wants license for transmission line in vicinity of Breckenridge, Summit Co.

446—Southern Appalachian Power Co., Asheville, N. C.—Wants license for dam 170 ft. high, in Hiawassee River, about 1 mi. above Murphy, Cherokee and Clay Counties. Project includes powerhouse and appurtenant structures.

447—Southwest Metals Co., Humboldt, Ariz.—Wants license for transmission line from Humboldt to Blue Bell Mine, Yavapai Co.

Unclassified

PROPOSED WORK

Playground—Glastonbury, Conn.—School Comn. plans playground, incl. baseball diamond, basket ball courts, tennis courts, etc. $25,000. F. S. Knox, supt. of schools.

Underground Conduit — New Britain, Conn.—Bd. Pub. Wks. plans underground conduit system on South Main St., incl. 12 fire ducts. $25,000. J. D. Williams, city engr.

Boardwalk—Spring Lake, N. J.—Mayor and Boro Council rejected bids Nov. 7, constructing boardwalk. Noted Oct. 11.

Swimming Pool and Skating Rink—Dormont, Pa.—City plans to build and equip swimming pool and skating rink. $40,000.

Broadcasting Stations and Police Signal System—Phila., Pa.—Voted $440,000 bonds for radio broadcasting stations and police signal systems.

Park and Port Improvements—Phila., Pa.—Voted $750,000 bonds for park improvements and $2,000,000 for port improvements.

Piers, etc.—Phila., Pa.—Phila. & Reading Ry., Reading Terminal, plans additional ore handling facilities incl. enlarging Pier 14 and installation of ore handling equipment $915,000, also plan new pier south of Pier A to relieve Pier 14 $600,000, extensive work in boiler house incl. new 1,000 hp. boiler $915,000. All at Port Richmond. S. T. Wagner, ch. engr.

Subways—Phila., Pa.—Voted $15,000,000 bonds for high speed subway and $10,000,000 for surface car subway.

Park, etc.—Greensboro, N. C.—City plans 40 acre park, incl. lake, 2 mi. paved driveways, near Westerwood and West Market terrace section. P. C. Painter, city mgr. $50,000.

Levees, etc. — Greenwood, Miss. — Tallahatchie D. D. 1 making surveys system of levees and drainage canals for flood control of Tallahatchie and Yocona Rivers, district embraces 166,421 acres. Elliott & Harman Eng. Co., Bank of Commerce & Trust Bldg., Memphis, Tenn., engrs.

Swimming Pool—New Orleans, La.—Comn. Council granted Garden Plunge, Inc., Whitney Bank Bldg., authority to construct 100 x 300 ft. swimming pool together with restaurant at West End Park.

Elimination of Grade Crossings—Tennessee—Southern R.R. Co., 4th and Market Sts., and State Dept. Hys. & Pub. Wks., Nashville, plans to eliminate grade crossings in Knox Co., near Knoxville, and in Blount Co., near Maryville, probably concrete structures. Will exceed $40,000. J. G. Creveling, highway comr.

Extension, etc.—Knoxville, Tenn.—Cumberland Telegraph and Telephone Co. plans improvements and extension to system, here. $25,000. E. F. Garret, Knoxville, dist. mgr.

Electric Power Extensions—Chattanooga, Tenn.—Tennessee Electric Power Co., Hamilton Natl. Bank Bldg., authorized to issue $1,000,000 bonds for construction, extension and improvements.

Parks, etc. — Cincinnati, O. — Defeated $1,750,000 bonds parks, boulevard and playgrounds. Noted Nov. 1.

Subway—Elyria, O.—See "Buildings."

Elimination of Grade Crossings—Toledo, O.—Defeated $3,000,000 bonds elimination of grade crossings. Noted Sept. 20.

Terminal—Zanesville, O.—Amer. Rolling Mill Co., Ashland, Ky., plans river and rail freight terminal along Muskingum River, here. To exceed $25,000.

Grade Separation—Kalamazoo, Mich.—City and Michigan Central R.R., 542 East Main St., having plans prepared grade separation, depressing 500 ft. steel and trolley tracks and carrying 7 Michigan Central R.R. tracks on viaduct over street. $150,000 to $200,000.

Park Improvements—Chicago, Ill.—Voted $2,000,000 bonds for establishing, enlarging and improving parks and boulevards under control of West Chicago Park Comrs.

Transmission Line—Mowequa, Ill.—See "Industrial Works."

Ornamental Street Lighting System—Two Rivers, Wis.—Making preliminary plans ornamental street lighting system, probably concrete posts, underground cables. $25,000. D. H. Ames, City Hall, engr.

Unclassified (Continued)

Electrical Improvements—Kansas City, Kan.—Voted $2,000,000 bonds general electrical improvements. R. L. McAlpine, 1721 Orville Ave., Kansas City, Kan., engrs.

Levee—Merrillton, Ark.—See "Excavation Drainage Irrigation."

Elimination of Grade Crossing—Texas—State and Missouri, Kansas & Texas Ry., Bruceville, plan to eliminate railway grade crossing near Bruceville. $75,000. M. Hannah, Bruceville, engr.

Street Lights and Conduits—Lubbock, Tex.—Nov. 21, to vote on $50,000 bonds for street lights and conduits. J. R. Germany, city secy.

Pipe Line—San Angelo, Tex.—San Angelo Gas Co. plans pipe line from Coleman and Brown Counties, minimum 45 mi. $100,000.

Flood Control—San Antonio, Tex.—Dec. 4, to vote on $2,800,000 bonds for flood control, to involve construction of dams, altering courses and removing obstructions from San Antonio River, San Pedro and Alazan Creeks. Address J. W. Tobin, mayor.

Parks—Tulsa, Okla.—Election Nov. 20, to vote on $150,000 bonds for parks. C. Schultz, city engr.

Shipping Terminal—Seattle, Wash.—Pacific Steamship Co., L. C. Smith Bldg., having plans prepared by H. Bittman, archt. and engr., Securities Bldg., first unit of ocean shipping terminal, main building 1,000 ft. long, 160 ft. wide, $500,000. Total $3,000,000-$4,000,000. See "Materials and Equipment" under "Contracts Awarded." Noted Feb. 8.

Harbor Improvements—Oshawa, Ont.—Dept. Pub. Wks., Ottawa, having surveys made improving harbor incl. new wharves and docks. $150,000. K. M. Cameron, Parliament Bldg., Ottawa, acting ch. engr.

Monument—Ottawa, Ont.—E. Brown, dir. Natl. Art Gallery of Canada, Victoria Museum, will take designs until April 2, for monument in memory of Sir Wilfred Laurier, on Parliament Grounds. $25,000. L. H. Colman, Hunter Bldg., secy. Dept. Pub. Wks.

Drilling Wells—Wheatley, Ont.—Southern Ontario Gas & Oil Co., Tilbury, plans to drill deep wells for oil and gas. $50,000. A. Winter, c/o owner, engr.

Subway—Windsor, Ont.—Having plans prepared subway under tracks Canadian Pacific Ry. to join Tecumseh Rd. with Giles Blvd. $100,000. M. E. Brian, city engr.

Dry Dock—Vera Cruz, Mexico—Mexican Government plans 6,000 ton floating dry dock, here. $250,000.

BIDS DESIRED

Coal Pocket—Kearny, N. J.—Smith Coal Co. taking bids and opens same week of Nov. 12, rein.-con. coal pocket. $40,000. Private plans.

BIDS RECEIVED

Fire Alarm System—Brooklyn, N. Y.—T. J. Drennan, comr. Fire Dept., Municipal Bldg., New York, Nov. 5, underground fire alarm system, here, from W. F. Kenney Co., 44 East 23rd St., New York, (1) $26,530; J. Sugden Co., 100 5th Ave., New York, (2) $16,731.

Heating and Ventilating Apparatus—Kew Gardens (Forest Hills P. O.), **N. Y.**—Bd. Educ., 500 Park Ave., New York, heating and ventilating apparatus in P. S. 99, here, from Federal Heating Co., 300 Madison Ave., New York, $46,950.

Signal Tower—New York, N. Y.—Transit Comn., 49 Lafayette St., Nov. 9, signal tower in 239th St. Yard of White Plains Rd. Rapid Transit R.R., Route 18, Sect. 2, Bronx Boro, Agreement "CU," from J. B. Roberts & Co., 1170 Bway., $12,757. Noted Nov. 8.

Heating and Ventilating Apparatus—St. Albans (Jamaica P. O.), **N. Y.**—Bd. Educ., 500 Park Ave., New York, heating and ventilating apparatus in P. S. 36, here, from Federal Heating Co., 300 Madison Ave., New York, $46,950.

Electroller System—Los Angeles, Calif.—Electroller system in portion of Sunset Blvd., from Paulson Constr. Co., Detwiler Bldg., $38,874.

CONTRACTS AWARDED

Column Foundations, etc.—Long Island City, N. Y.—Transit Comn., 49 Lafayette St., New York, column foundations for part of Rapid Transit R.R. Flushing Route, to Gotham Constr. Co., 220 Bway., New York, $149,830; structural steel for Route 52, Sect. 2, to Jobson-Gifford Co., 30 East 42nd St., New York, $443,239. Noted Nov. 8.

TUNNEL—CLEVELAND, OHIO

Following are lowest three bids opened Nov. 2, by Dept. of Pub. Utilities, Div. of Water, for constructing Fairmount Rd. Tunnel, Contr. No. 43, Baldwin-Fairmount Project, (A) P. F. Connolly Co., 2029 East 102nd St.; (B) Winterbottom-Connelly Co., 2997 Meadowbrook Blvd.; (C) Graham-Henderson Co., 1274 West 108th St. The unit bids were as follows:

	A	B	C
1,200 cu.yd. excavation and backfill, in open cut	$2.50	$5.00	$5.00
2,300 cu.yd. excavation in shafts and tunnel	16.40	18.75	26.55
1,550 cu.yd. concrete in shafts and tunnel	17.00	20.00	20.00
160 cu.yd. miscellaneous concrete	20.00	22.00	20.00
200 cu.yd. excess concrete in shafts and tunnel	5.00	5.00	5.00
150 ton furnishing and laying cast iron, straight, bell and spigot pipe, in open cut	80.00	75.00	69.50
260 ton furnishing and laying cast iron, straight, bell and spigot pipe, in tunnel	82.50	95.00	79.50
40 ton furnishing and laying cast iron, straight, bell and spigot standard fittings, in open cut	200.00	180.00	189.00
4 ton furnishing and laying cast iron, bell and spigot standard fittings, in tunnel	200.00	200.00	200.00
85 ton furnishing and laying cast iron, flanged, and flanged and spigot pipe	140.00	180.00	127.00
60 ton furnishing and laying cast iron flanged fittings	210.00	200.00	231.00
9,500 lb. steel reinforcement and miscellaneous wrought iron and cast iron	.10	.07	.06
100 linear ft. furnishing and laying 12-in. vitrified pipe drains	3.00	3.00	3.00
100 linear ft. furnishing and laying 6-in. vitrified pipe drains	1.50	2.00	2.00
100 linear ft. furnishing and laying 4-in. vitrified pipe drains	1.00	1.00	2.00
100 linear ft. furnishing and placing 10-in. piles	2.50	3.00	8.00
10 ton furnishing and delivering surplus cast iron pipe and fittings	50.00	50.00	50.00
Extended totals	$140,270	$157,960	$168,945

Coaling Station—Newburgh, N. Y.—New York Central R.R., Grand Central Terminal, New York City, coaling station, here, to Wilbur G. Hudson Corp., 50 Church St., New York City, $30,000.

Relocating Entrances, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., relocating entrances to 157th St. station of Manhattan-Bronx Rapid Transit R.R., Agreement "CR," to J. Ritchie, 23 Willow Pl., Brooklyn, $51,912; frogs, switches and tracks at 180th St. Yard, Route 18, to McElroy & Kerwin, 316 Flatbush Ave., Brooklyn, $15,285. Noted Nov. 8.

Foundation and Coal and Ash Bunkers, etc.—Phila., Pa.—Phila. & Reading Ry., Reading Terminal, driving piles and constructing rein.-con. foundations for coal thawing house at Pier 18, Port Richmond, to McLean Constr. Co., Pier 5, North Wharves, $52,000; furnishing and erecting coal and ash bunkers in connection with power house at Pier 14, Port Richmond, to Guarantee Constr. Co., 140 Cedar St., New York City, $35,000.

Transmission Lines—Andrews, N. C.—See "Industrial Works."

Campanile—Baton Rouge, La.—R. L. Hines, secy. Louisiana State University, concrete and brick campanile at State Agricultural College, to Caldwell Bros., 816 Howard Ave., New Orleans, $85,000.

Levee—New Orleans, La.—F. C. Hymel, pres. Orleans Levee Dist., New Court Bldg., completing Couret-Stanton Levee, 151,000 cu.yd. excav., to Lewis Constr. Co., Godchaux Bldg., $73,365.

Light, Power and Telephone Systems, etc.—Cleveland, O.—Electric light, power and telephone systems for Baldwin-Fairmount Project, Contr. 48, to Enterprise Electric Constr. & Fixture Co., 6507 Euclid Ave., $31,000; heating and ventilating, to T. M. Shand, 2155 East 93rd St., $31,942; plumbing, to Warden & Leese, 2450 Prospect Ave., $26,850.

Foundation—Duluth, Minn.—W. Schroeder & Sons, 86 Michigan St., Milwaukee, Wis., foundation for 16 story and basement, 125 x 140 ft. hotel, rein.-con., stone and brick, Superior St. and 3rd Ave. E., here, to Jacobson Bros., 410 Columbia Bldg. Total $1,500,000. Noted Sept. 13 under "Buildings."

Electrolier System—Fresno, Calif.—Installing 350 electrollers in portions of J, North Bway. Sts., etc., to Valley Electric Co., 1817 Tulare St., $43,000. Noted Oct. 25.

Subway—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., subway under Ferry Loop at foot of Market St., here, to Tibbitts-Pacific Co., 16 California St., $238,700.

Transmission Line, etc.—Turlock, Calif.—See "Excavation, Drainage, Irrigation" under "Bids Received."

Materials and Equipment

PROPOSED WORK

Structural Steel—Louisville, Ky.—Louisville & Nashville R.R. Co., 10th St. and Bway., plans to purchase 1,600 tons steel for bridge work. $100,000. W. H. Courtney, ch. engr.

Street Sweeper—La Crosse, Wis.—Preparing specifications power street sweeper. Council appropriated $7,000. C. C. Congdon, City Hall, engr.

Pipe—Tacoma, Wash.—See "Waterworks," under Contract Awarded.

Cast Iron Pipe—Montreal, Que.—Montreal Light, Heat & Power Co., Craig St. W., soon takes bids furnishing 24,000 ft. or 2,000 lengths 4 in. and 6,000 ft. or 300 lengths of 6 in. c.i. pipe.

BIDS DESIRED

Limestone, etc.—Brooklyn, N. Y.—Nov. 21, by E. Riegelmann, boro pres., Boro Hall, 1,200 net tons limestone or other suitable inorganic dust, 6,000 cu.yd. asphalt sand, 3,000 bbl. Portland cement and 2,500 cu.yd. 1½ in. gravel or 2,500 cu.yd. 1½ in. broken stone.

Concrete Mixer—New York, N. Y.—Logan Constr. Co., 15 Park Row, in market for 1 portable concrete mixer, one 150 ft. belt driven compressor and 4 air stone drills.

Cranes—Pittsburgh, Pa.—Carnegie Steel Co., Carnegie Bldg., in market for two 75 ton and three 10 ton cranes.

Plumbing, etc.—Greensboro, N. C.—See "Buildings."

Pipe, etc.—Cordelia, Fla.—C. D. Terrell, city purch. agt. taking bids 100 tons 6 in. c.i. B & S pipe, 20 standard fire hydrants, six 10 in. valves.

Street Sweeper—Sanford, Fla.—W. B. Williams, city mgr. receiving bids street sweeper.

Crane—Warren, O.—East Ohio Mfg. Co. in market for one 25 ton 3 motor industrial crane. B. Shaver, Oliver Bldg., Pittsburgh, Pa., engr.

Hoist—Ft. Wayne, Ind.—City taking bids 100-ton hoist for movable dam on Maumee River. C. Brossman, 1503 Merchants Bank Bldg., Indianapolis, and A. W. Grosvenor, 122 East Washington St., Ft. Wayne, engrs.

Road Roller and Scarifier—Logansport, Ind.—Nov. 17, by Cass Co., 10-ton gas or oil road roller and scarifier. Successful bidder will be required to accept as part of purchase price 10-ton roller now owned by County. H. M. Gardner, aud.

BIDS RECEIVED

Valve Equipment—New York, N. Y.—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Nov. 9, electric valve operating equipment, Manhattan Boro, from Fox Reynolds Co., 81 East 125th St., $25,500. Noted Nov. 1.

CONTRACT AWARDED

Road Surfacing Material—New York, N. Y.—See "Streets and Roads."

Gravel—Kountze, Tex.—Hardin Co., 20,000 yd. road gravel, to J. H. Sullivan, Nacogdoches, flint gravel $2.35, iron ore gravel $1.61. Noted Sept. 27.

Steel—Seattle, Wash.—Pacific Steamship Co., L. C. Smith Bldg., 5,000 tons steel for first unit of ocean shipping terminals (to cost $3,000,000-$4,000,000), to U. S. Steel Corp., 71 Bway., New York City. Noted Feb. 8.

Steel Oil Tanks—Avon, Calif.—Associated Oil Co., Associated Oil Bldg., San Francisco, six 80,000 bbl. steel oil tanks, to Western Pipe & Steel Co., 444 Market St., San Francisco, about $205,900.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate: 40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Dec. 21.

General Construction and Mechanical Equipment

OFFICE BUILDING FOR THE STATE OF WEST VIRGINIA

Charleston, W. Va.

Sealed proposals will be received by the Capitol Building Commission for the general construction and mechanical equipment of an office building for the State of West Virginia, Charleston, West Virginia, which proposals are to be in accordance with drawings and specifications prepared by Cass Gilbert, Architect, 244 Madison Avenue, New York City.

Two copies of the drawings and specifications will be on file in the office of the Capitol Building Commission after November 12, 1923, for examination and use of all bidders.

If bidders wish individual sets of drawings and specifications for their own use in preparing their bid, they may obtain such individual sets upon application in writing to Cass Gilbert, Architect, upon payment of the actual cost of blueprinting same. A certified check for $200.00 is to accompany request for individual sets, which check will be returned upon return of said drawings and specifications. Another check for $20.00, representing cost of duplicating of each set of drawings and specifications, must also accompany request.

Such individual sets are for estimating purposes only and are to remain the property of the Architect and are to be returned to him immediately after bids have been submitted.

A certified check for $20,000.00 must accompany proposal for General Construction and certified checks for $2,000.00 must accompany proposals for Heating and Ventilating, Plumbing and Gas Fitting, and Electrical Work. Said checks to be drawn on some solvent banking institution and made payable to the Capitol Building Commission of the State of West Virginia, Charleston, West Virginia.

In lieu of said certified checks, bonds of equal amounts of the United States or State of West Virginia, or any political subdivision thereof, may accompany proposals. The checks or bonds of all bidders will be returned to them after award of contract.

All bids to be delivered at the office of the Governor of the State of West Virginia, Charleston, West Virginia, on or before 12 o'clock noon, December 21, 1923. No proposals received after the time stated above will be considered. The Capitol Building Commission reserves the right to reject any and all bids and to waive any defect or informality in any bid.

For the Capitol Building Commission.
E. F. MORGAN, Governor.
Ex-Officio, Chairman.

Bids: Dec. 14.

Lake Youngs Development

Seattle, Wash.

Sealed bids will be received by the Board of Public Works until ten o'clock a.m., Friday, December 14th, 1923, for Lake Youngs Development, Seattle Water Supply. Involves construction of inlet, outlet conduit controlling works and pipe lines.

Approximate estimated cost $2,000,000. A deposit of $10.00 is required for the plans.

J. D. BLACKWELL,
City Engineer.

OFFICIAL PROPOSALS

Bids: Dec. 5.

Bridge

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the Construction of Bridge No. HI-48, on the Squankum-Lakewood Road, consisting of one 70' plate girder span encased in Concrete, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on December 5th, 1923, at 11:00 a.m., Standard Time.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB,
Director.

Attest:
CHARLES E. COLE, Clerk.
Freehold, N. J., October 17th, 1923.

Bids: Nov. 27.

Earth Dam

Frederick, Md.

Sealed proposals will be received by Emory C. Crum, City Engineer, at his office, City Hall, Frederick, Md., until Tuesday, November 27, 1923, at 11 a.m., at which time they will be publicly opened and read, for furnishing materials, tools, equipment and labor for the construction of an earth dam for the water supply of Frederick on Fishing Creek.

The work includes earth and rock excavation, 575 ft. of concrete cutoff and core wall, 48,000 cu.yd. of rolled embankment, waste canal, conduit tunnel and gate tower.

Plans and specications may be secured from the City Engineer upon payment of $25.00, which will be refunded upon return of said plans and specifications in good condition before date of opening bids.

All proposals must be accompanied by a certified check in the sum of $5,000.00.

The City of Frederick reserves the right to reject any or all bids.

EMORY C. CRUM, City Engineer.
NORTON, BIRD AND WHITMAN,
Advisory Engineers.

OFFICIAL PROPOSALS

Bids: Dec. 5.

Dams, Spillways, etc.

Watertown, N. Y.

Sealed bids or proposals will be received by the Board of the Black River Regulating District, at its offices, Room 530, Light and Power Building, Public Square, Watertown, New York, until 11 a.m. Eastern Standard Time, on Wednesday, December 5, 1923, for the construction of certain dams, spillways and other structures for the enlargement of the Stillwater Reservoir, on the Beaver River, in the Town of Webb, Herkimer County, New York, all as set forth in the plans and specifications.

The work consists of raising the existing dam and spillway by about nineteen feet and the construction of such additional embankments, spillways, structures and appurtenances as may be required. Maps, plans, specifications and proposal and contract forms can be seen at the offices of the Board at the above address and also at the office of the Water Control Commission, Albany, N. Y. Pamphlets containing information for proposers, forms of proposal and contract, specifications and plans can be obtained from the Board at the above address by depositing the sum of five dollars ($5) for each pamphlet, which sum will be refunded on return of the pamphlet in good condition within seven days after the bids are opened.

All proposals will be publicly opened and read at the aforesaid time and place. Every proposal must be accompanied by a certified check upon some national or state bank or trust company within the state in good credit for five per centum (5%) of the amount of the proposal payable to the order of the Board of the Black River Regulating District. The Board reserves the right to reject any or all proposals and to again advertise for further proposals.

Board of the Black River Regulating District.

E. S. CULLINGS,
Secretary.

Bids: Dec. 11.

Warehouse

Tampa, Fla.

Sealed bids will be received by the City Commission of Tampa, Florida, until Tuesday at 2 o'clock p.m., Dec. 11th, 1923, for furnishing all material and labor, and building a warehouse 694 x 75 ft., at the City Docks, in the City of Tampa; all in accordance with the plans and specifications, copies of which may be secured from A. W. D. Hall, Engineer in charge of the work. Post Office address Box 2736.

The erection of the building cannot be started until certain work now under way is completed, which will not be before Feb. 15th.

Each bid shall be accompanied by a certified check for Five per cent of the amount of the bid as a guarantee the successful bidder will enter into contract and furnish bond as required by the specifications. The checks of unsuccessful bidders will be returned within thirty days from the date letting.

The Commission reserves the right to reject any or all bids.

CHAS. H. BROWN,
Mayor Commissioner.

WM. E. DUNCAN,
City Clerk.
A. W. D. HALL,
Engineer.